



# CITY OF TUCSON, ARIZONA APPROVED FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM FOR FISCAL YEARS 2018-2022



Approved Five-Year Capital Improvement Program  
Fiscal Years 2018 through 2022  
*Effective July 1, 2017*

**Mayor and Council**



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Mayor



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# Section A Overview



# **OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM**

A Capital Improvement Plan (CIP) is a community planning and fiscal management tool used to coordinate the location, timing, and financing of capital improvements over a five year period. Capital improvements refer to major, non-recurring physical expenditures such as land, buildings, public infrastructure, and equipment, all with a cost of \$100,000 or more. The CIP is necessary to improve public facilities and infrastructure assets for the economic, aesthetic, and functional viability to our City. The plan identifies our City's specific capital needs based on various long-range plans, goals, and policies and also provides analysis for decision making for City officials and strategic capital planning efforts with City departments.

The City of Tucson's practice is to develop, maintain, and revise when necessary a continuing Capital Improvement Program that covers a five-year planning horizon. This budget document covers Fiscal Years 2017/18 through 2021/22 and identifies capital projects during this timeframe to include the funding sources available for projected expenditures.

The objective of this overview is to give the reader a brief look into the CIP which contains the following financial and narrative information:

- Capital Improvement Program Process
- Budget Highlights
- Summary of Expenditures and Funding Sources
- Department Programs
- Impact on the Operating Budget

## **CAPITAL IMPROVEMENT PROGRAM PROCESS**

### **Defining a Capital Improvement**

To be included in the CIP, projects need to meet one of the following criteria:

- Construction of a new City asset or expansion of an existing City-owned facility, including preliminary planning and surveys, cost of land, staff and contractual services for design and construction, and related furnishings and equipment.
- Initial acquisition of a major equipment system which will become a City asset, with a cost of \$100,000 or more and a useful life of at least six years.
- Major renovation or rehabilitation of an existing City-owned facility that requires an expenditure of \$100,000 or more and will extend the life of the original City asset.

Exceptions have been made for inclusion of a few projects that do not meet the above criteria (Sun Tran buses, Sun Van paratransit vans, and street improvements) to make the planning, funding, and acquisition of these purchases more visible to the public and the governing body.

### **Steps from Submittal to Approval**

In December 2016, the CIP process began with the Finance/ Budget Division providing direction and guidelines to department liaisons. Departments were given approximately seven weeks to develop their CIP requests based on their assessment of needs, existing bond authorizations, and grant awards. Departments were directed to include only projects with secured funding. Exceptions were made for annual federal grant appropriations from the Federal Transit Administration (FTA), other pending awards that would require budget capacity (e.g., any non-federal grant or contribution), and future enterprise revenue bonds. Department requests were reviewed by the Budget Division and applicable revisions were made.

The proposed CIP was presented to the Mayor and Council on April 19, 2017, along with the Recommended Fiscal Year 2017/18 Budget. The first year of the CIP was included as part of the City's Recommended Budget. The Mayor and

# OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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Council reviewed and discussed both the operating and capital budgets at Study Sessions in May. Two public hearings were held prior to the adoption of the Fiscal Year 2017/18 budget on June 6, 2017.

## BUDGET HIGHLIGHTS

This proposed Five-Year CIP totals \$1,115.1 million; \$305.9 million is budgeted in the first year of the CIP and is a component of the Fiscal Year 2017/18 Adopted Budget. Notable projects include the following:

**Aerospace-Sonoran Corridor Transmission Main Extension.** Support future expansion needs along the Sonoran Corridor by changing the relocation of the previously planned water treatment facility and modifying piping to support the new facility. Installation of a reservoir and booster facility will provide fire service flows to Section 31 and the Aerospace Parkway. A main extension along the Aerospace Parkway will provide water to World View and additional customers. This project began in Fiscal Year 2016/17 and will be completed in Fiscal Year 2020/21. The Five-Year CIP is estimated to be \$17.8 million with \$10.5 million budgeted in Fiscal Year 2017/18.

**Los Reales Landfill.** Design and construct upgrades to the existing landfill site to increase efficiency, improve customer services, and provide for continued waste disposal capacity at the landfill. The project, when complete, will better serve both the needs of the City of Tucson and the community. Total project costs are estimated at \$20.5 million with \$8.1 million budgeted in Fiscal Year 2017/2018. This project is funded with Environmental Services user revenues.

**Reid Park Zoo Health Center.** Design and construct an addition to the existing veterinary facility at the Reid Park Zoo. This project is necessary as the existing facility is extremely dated (approximately 40 years old) and is no longer large enough to accommodate the zoo's current collection of animals. The facility is also needed to help meet the standards set by the Association of Zoos and Aquariums. Total project costs are estimated at \$3.5 million. The Reid Park Zoological Society is raising the funds for this project.

**Street Improvements: Proposition 409.** Restore, repair, and resurface streets inside Tucson City limits with the \$100 million bond program approved by voters in November 2012. Street resurfacing will be over a five-year period and approximately 85% of bond funds will be allocated to major streets and 15% will be allocated to neighborhood streets. Accordingly, the Tucson Department of Transportation's (TDOT) conservative road repair estimates and a favorable bidding environment resulting from lower material costs and falling gas prices, the arterial road mileage repairs authorized by the bond package are now roughly estimated to cost only \$60 million. As a result, the Bond Oversight Commission recommended, and the Mayor and Council unanimously adopted, an allocation of an extra \$40 million in bonded revenue to be spent on an expanded list of arterial and residential road repairs. With the additional capacity, TDOT added 550 lane miles to the program, resulting in roadway improvements to about 45 more roadway segments. Total project costs are estimated to be \$99.0 million with \$27.6 million budgeted in Fiscal Year 2017/18 (\$1.0 million is for the bond issuance costs).

**Roads and Public Safety: Proposition 101.** On May 16, 2017, the City of Tucson voters approved a five-year, half-cent sales tax to fund public safety capital needs and road repairs. Funds collected over the five-year period will be split with \$100 million being spent to restore, repair, and resurface City streets, and \$150 million being spent on vehicles, equipment, and facilities for the Tucson Police Department and Tucson Fire Department.

## SUMMARY of EXPENDITURES and FUNDING SOURCES

Only funded projects, except as noted earlier, are presented in this Five-Year CIP. The objective is to clarify for the community what the City can do to meet its needs with the limited funds available.

### Expenditures

The proposed Five-Year CIP for Fiscal Years 2017/18 through 2021/22 totals \$1,115.1 million. The majority of the projects are in the Public Utilities category, which includes Environmental Services and Tucson Water. The majority of expenditures are in the Community Enrichment and Development category, which includes Housing and Community Development, Parks and Recreation, Public Safety, and Transportation.

# OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

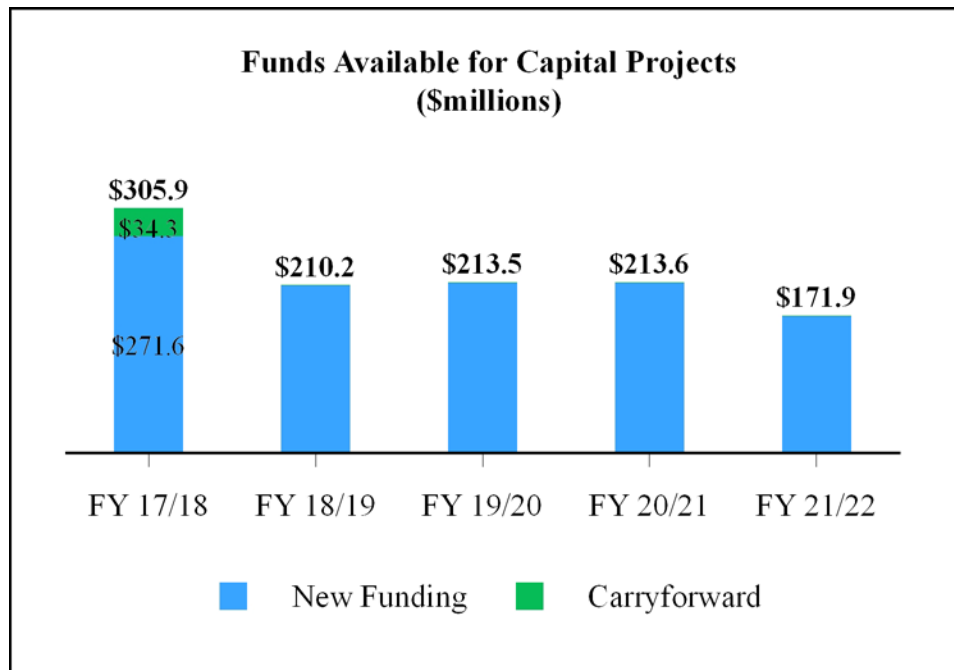
## Five-Year CIP Summary of Expenditures

(in \$000s)	Adopted Year 1 FY 17/18	Projected Five- Year Program
Community Enrichment and Development	\$ 186,321.0	\$ 624,076.5
Public Safety and Justice Services	30,000.0	150,000.0
Public Utilities	87,198.9	337,128.9
General Government	2,400.0	3,900.0
<b>Total</b>	<b>\$ 305,919.9</b>	<b>\$ 1,115,105.4</b>

This Five-Year CIP is \$265.2 million more than the approved Five-Year CIP for Fiscal Years 2016/17 through 2020/21.

Fiscal Year 2017/18 includes \$34.3 million carried forward for project expenditures not spent as planned during Fiscal Year 2016/17 and \$271.6 million in new funding. The CIP presumes that all of the Fiscal Year 2017/18 budget will be spent in that year.

CIP expenditures decrease significantly after Fiscal Year 2017/18 from \$305.9 million in Fiscal Year 2017/18 to \$171.9 million by Fiscal Year 2021/22.



For a summary of expenditures by department and fiscal year, see Table I, Five-Year CIP Summary by Department on page A-7.

# OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## Funding Sources

This five-year program of \$1,115.1 million is funded primarily from Capital Projects Funds.

### Five-Year CIP Summary of Funding Sources

(in \$000s)	Adopted Year 1 FY 17/18	Projected Five- Year Program
Capital Projects Funds	\$ 138,253.8	\$ 433,982.2
Enterprise Funds	81,898.9	331,828.9
General Fund	7,050.0	8,550.0
Internal Service Fund	650.0	650.0
Special Revenue Funds	78,067.2	340,094.3
<b>Total</b>	<b>\$ 305,919.9</b>	<b>\$ 1,115,105.4</b>

**Capital Projects Funds.** (This category, which includes the City bond funds, is 39% of the five-year CIP). These funds will provide \$433.9 million over the next five years. Regional Transportation Authority (RTA) funds of \$264.9 million account for the largest portion of this category. Next are General Obligation Street Bonds of \$27.6 million. Pima County bonds will provide \$41.7 million. Capacity of \$39.1 million was added for road, regional park, and communications improvements along with \$60.6 million from regional Highway User Revenue Funds (HURF) distributed by the Pima Association of Governments (PAG).

**Enterprise Funds.** Enterprise Funds total \$331.8 million or 30% of the Five-Year CIP. Environmental and General Services totals \$29.5 million. Tucson Water accounts for the remaining \$302.3 million: \$147.7 million from user revenues, \$40.3 million from Water’s Obligation Funds, and \$114.3 million from future Water Revenue Bonds.

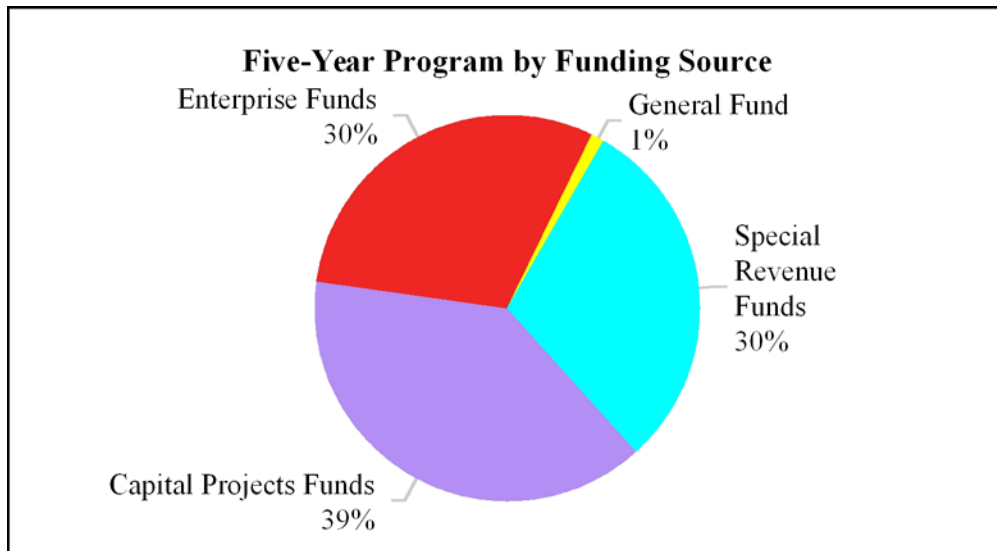
**General Fund.** This category totals \$8.6 million or less than 1% of the Five-Year CIP and is funding citywide technology upgrades.

**Internal Service Funds.** This category totals \$650,000 or less than 1% of the Five-Year CIP and is funding the energy upgrades.

**Special Revenue Funds.** This category totals \$340.1 million or 30% of the Five-Year CIP. Included in this category are Roads and Public Safety Improvement funds of \$250.0 million and federal grants of \$73.6 million. The General Fund provides \$13.7 million for Mass Transit. The City’s HURF allocation accounts for \$0.9 million and \$1.9 million comes from fees/charges and civic contributions.

For more detail on funding sources, see Table II, Five-Year CIP Summary by Funding Source beginning on page A-8.

# OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM



## DEPARTMENT PROGRAMS

Programs are briefly presented in this section by departments which are listed alphabetically within their budget reporting categories, also known as service areas: Community Enrichment and Development, Public Safety and Justice Services, Public Utilities, and General Government. A further listing of the projects by departments starts on page A-18.

### Community Enrichment and Development

The Community Enrichment and Development category, which accounts for 56.0% of the total Five-Year CIP, contains projects managed by Housing and Community Development, Parks and Recreation, Public Safety, and Transportation.

**Housing and Community Development.** This department's five-year program of \$3.0 million consists of two projects. Funding is provided by the Community Development Block Grant (CDBG).

**Parks and Recreation.** Parks' five-year CIP of \$8.5 million contains 22 projects. These projects are funded primarily from impact fee revenues of \$6.9 million. Civic contributions and certificates of participation provide for the remaining \$1.6 million. These funds provide for a wide range of projects: improvements at regional parks, urban greenway improvements, and amenities at neighborhood parks.

**Transportation.** The five-year Transportation program of \$612.7 million includes four program areas: Road Improvements for \$200.0 million, Public Transit for \$67.1 million, Streets for \$443.6 million, Street Lighting for \$0.3 million, and Traffic Signals for \$1.7 million. Because there are insufficient funds to meet all of Transportation's needs, this CIP allocates available funding to the highest priority projects.

The largest funding source for Transportation's projects is the funding from the RTA plan which totals \$264.9 million. The Road Improvement funding from Proposition 101 will provide \$200.0 million for repairs. General Obligation Street Bonds total \$27.6 million. Federal funding provides another significant portion totaling \$70.7 million: \$52.6 million for transit projects and \$18.1 million for street projects. Other funding sources are Pima County bond funds of \$41.5 million, regional HURF from PAG of \$60.6 million, City HURF of \$0.9 million, and impact fee revenues of \$28.7 million. The remaining \$17.8 million is from the General Fund for Mass Transit and certificates of participation, which is used as the local match for federal transit grants.

# OVERVIEW of the FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## Public Safety and Justice Services

The Public Safety and Justice Services category, which accounts for 13.5% of the total Five-Year CIP, contains projects managed by Tucson Fire and Tucson Police.

**Public Safety.** The five-year Public Safety program of \$150.0 million includes fire and police vehicles, personnel safety equipment, technology upgrades and facility upgrades, police air support, equipment repairs/replacement, police evidence storage and Public Safety Training Academy track replacement, operating and security upgrades. Public Safety five-year program funding comes from Proposition 101 half-cent sales tax increase.

## Public Utilities

The Public Utilities category, which accounts for 30.2% of the total Five-Year CIP, contains projects managed by Environmental and General Services and Tucson Water.

**Environmental and General Services.** The department's five-year program of seven projects totals \$34.8 million. Environmental and General Services' CIP is funded from Environmental Services revenues, General Services revenues and General Fund.

**Tucson Water.** The five-year Tucson Water CIP of \$302.3 million includes \$291.7 million of improvements to the potable water system and \$10.6 million of improvements for the reclaimed water system. Tucson Water's CIP is funded with future water revenue bond authorization of \$114.3 million, operation funds of \$147.7 million, 2016 Revenue Obligation funds of \$13.2 million, and 2017 Revenue Obligation funds of \$27.1 million.

## General Government

The General Government category, which accounts for less than 1% of the total Five-Year CIP, contains two projects that are budgeted here because it is beyond the oversight scope of a single department. The Tucson Police and Tucson Fire NICE Recorder Logger will upgrade the capabilities of the 911 phone system. The Technology Upgrade Project will upgrade the City's multiple enterprise related systems to a current standard supported by the vendor. These projects are funded by the General Fund.

## IMPACT on the OPERATING BUDGET

The completion of many capital projects is the beginning of recurring costs for the operating budget. Operating and Maintenance (O&M) impacts from projects in this Five-Year CIP total \$272,500 for Fiscal Year 2017/18, increasing to a five-year total of \$3.4 million through Fiscal Year 2021/22. The General Fund O&M impacts in Fiscal Year 2017/18 are for the opening of new or expanded facilities.

For summaries and project detail of O&M impacts by department and funding source over the next five years, see Table III, Summary of CIP Impact on the Operating Budget on page A-10.

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# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## Table I. Summary by Department (\$000)

	Adopted Year 1 FY 17/18	Year 2 FY 18/19	Projected Requirements			Five Year Total
			Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Community Enrichment and Development</b>						
Housing and Community Development	\$ 2,950.0	\$ —	\$ —	\$ —	\$ —	2,950.0
Parks and Recreation	6,202.9	949.3	445.3	425.0	434.5	8,457.0
Transportation	177,168.1	107,631.9	124,373.4	122,504.6	80,991.5	612,669.5
<b>Subtotal</b>	<b>\$ 186,321.0</b>	<b>\$ 108,581.2</b>	<b>\$ 124,818.7</b>	<b>\$ 122,929.6</b>	<b>\$ 81,426.0</b>	<b>624,076.5</b>
<b>Public Safety and Justice Services</b>						
Public Safety	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	150,000.0
<b>Subtotal</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>150,000.0</b>
<b>Public Utilities</b>						
Environmental and General Services	\$ 16,987.9	\$ 10,716.0	\$ 3,500.0	\$ 1,600.0	\$ 2,000.0	34,803.9
Tucson Water	70,211.0	59,391.0	55,136.0	59,104.0	58,483.0	302,325.0
<b>Subtotal</b>	<b>\$ 87,198.9</b>	<b>\$ 70,107.0</b>	<b>\$ 58,636.0</b>	<b>\$ 60,704.0</b>	<b>\$ 60,483.0</b>	<b>337,128.9</b>
<b>General Government</b>						
General Expense	\$ 2,400.0	\$ 1,500.0	\$ —	\$ —	\$ —	3,900.0
<b>Subtotal</b>	<b>\$ 2,400.0</b>	<b>\$ 1,500.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>3,900.0</b>
<b>Total</b>	<b>\$ 305,919.9</b>	<b>\$ 210,188.2</b>	<b>\$ 213,454.7</b>	<b>\$ 213,633.6</b>	<b>\$ 171,909.0</b>	<b>1,115,105.4</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table II. Summary by Funding Source (\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Capital Projects Funds</b>						
Capital Agreement Fund: PAG	\$ 17,685.0	\$ 2,625.0	\$ 19,823.0	\$ 20,500.0	\$ —	60,633.0
Capital Agreement Fund: Pima County Bonds	17,619.7	10,700.0	8,783.9	4,605.9	—	41,709.5
Capital Agreement Fund: Pima County Contribution	1,137.4	1,700.2	1,278.0	—	—	4,115.6
General Obligation Bonds: Series 2016	7,800.0	—	—	—	—	7,800.0
General Obligation Bonds: Series 2017	19,800.0	—	—	—	—	19,800.0
Impact Fee Fund: Central District	8,933.4	5,334.7	20.3	—	—	14,288.4
Impact Fee Fund: East District	3,239.0	—	—	—	—	3,239.0
Impact Fee Fund: Southeast District	7,789.7	2,269.5	2,000.0	—	—	12,059.2
Impact Fee Fund: Southlands District	240.0	600.0	700.0	400.0	409.5	2,349.5
Impact Fee Fund: West District	2,323.1	235.0	100.0	400.0	—	3,058.1
Regional Transportation Authority	51,686.5	42,495.0	58,102.0	63,528.4	49,118.0	264,929.9
<b>Subtotal</b>	<b>\$ 138,253.8</b>	<b>\$ 65,959.4</b>	<b>\$ 90,807.2</b>	<b>\$ 89,434.3</b>	<b>\$ 49,527.5</b>	<b>433,982.2</b>
<b>Enterprise Funds</b>						
2016 Water Revenue System Obligation Fund	\$ 13,175.0	\$ —	\$ —	\$ —	\$ —	13,175.0
2017 Water Revenue System Obligation Fund	27,126.0	—	—	—	—	27,126.0
Environmental Services Fund	11,687.9	10,716.0	3,500.0	1,600.0	2,000.0	29,503.9
Future Water Revenue	—	33,641.0	25,863.0	28,523.0	26,269.0	114,296.0
Tucson Water Revenue and Operations Fund	29,910.0	25,750.0	29,273.0	30,581.0	32,214.0	147,728.0
<b>Subtotal</b>	<b>\$ 81,898.9</b>	<b>\$ 70,107.0</b>	<b>\$ 58,636.0</b>	<b>\$ 60,704.0</b>	<b>\$ 60,483.0</b>	<b>331,828.9</b>
<b>General Fund</b>	<b>\$ 7,050.0</b>	<b>\$ 1,500.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>8,550.0</b>
<b>Subtotal</b>	<b>\$ 7,050.0</b>	<b>\$ 1,500.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>8,550.0</b>
<b>Internal Service Fund</b>						
General Services Internal Service Fund	\$ 650.0	\$ —	\$ —	\$ —	\$ —	650.0
<b>Subtotal</b>	<b>\$ 650.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>650.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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**Table II. Summary by Funding Source**  
**(\$000)**

	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
<b>Special Revenue Funds</b>						
Civic Contributions Fund	\$ 1,850.3	\$ 25.0	\$ 25.0	\$ 25.0	\$ 25.0	1,950.3
Community Development Block Grant Fund	2,950.0	—	—	—	—	2,950.0
Federal Highway Administration Grants	14,115.7	3,931.5	—	—	—	18,047.2
Highway User Revenue Fund	842.3	11.1	5.0	5.0	—	863.4
Mass Transit Fund: General Fund	1,112.3	3,667.8	3,131.3	3,379.7	2,392.6	13,683.7
Mass Transit Fund: Federal Grants	7,196.6	14,986.4	10,850.2	10,085.6	9,480.9	52,599.7
Road and Public Safety Improvement Fund	50,000.0	50,000.0	50,000.0	50,000.0	50,000.0	250,000.0
<b>Subtotal</b>	<b>\$ 78,067.2</b>	<b>\$ 72,621.8</b>	<b>\$ 64,011.5</b>	<b>\$ 63,495.3</b>	<b>\$ 61,898.5</b>	<b>\$ 340,094.3</b>
<b>Total</b>	<b>\$ 305,919.9</b>	<b>\$ 210,188.2</b>	<b>\$ 213,454.7</b>	<b>\$ 213,633.6</b>	<b>\$ 171,909.0</b>	<b>\$ 1,115,105.4</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

**Table III. Summary of CIP Impact on the Operating Budget  
(\$000)**

SERVICE AREA/IMPACT	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Community Enrichment and Development</b>						
Parks and Recreation	\$ 13.0	\$ 33.7	\$ 37.7	\$ 39.6	\$ 29.5	153.5
Transportation	59.5	130.0	236.5	236.5	236.5	899.0
<b>Subtotal</b>	<b>\$ 72.5</b>	<b>\$ 163.7</b>	<b>\$ 274.2</b>	<b>\$ 276.1</b>	<b>\$ 266.0</b>	<b>1,052.5</b>
<b>Public Utilities</b>						
Environmental Services	\$ 200.0	\$ 546.0	\$ 546.0	\$ 546.0	\$ 546.0	2,384.0
<b>Subtotal</b>	<b>\$ 200.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>2,384.0</b>
<b>Total</b>	<b>\$ 272.5</b>	<b>\$ 709.7</b>	<b>\$ 820.2</b>	<b>\$ 822.1</b>	<b>\$ 812.0</b>	<b>3,436.5</b>
<b>SOURCE OF FUNDS SUMMARY</b>						
<b>General Fund</b>	\$ 13.0	\$ 33.7	\$ 37.7	\$ 39.6	\$ 29.5	153.5
<b>Subtotal</b>	<b>\$ 13.0</b>	<b>\$ 33.7</b>	<b>\$ 37.7</b>	<b>\$ 39.6</b>	<b>\$ 29.5</b>	<b>153.5</b>
<b>Enterprise Fund</b>						
Environmental Services	\$ 200.0	\$ 546.0	\$ 546.0	\$ 546.0	\$ 546.0	2,384.0
<b>Subtotal</b>	<b>\$ 200.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>2,384.0</b>
<b>Special Revenue Funds</b>						
Highway User Revenue Fund	\$ 59.5	\$ 110.0	\$ 216.5	\$ 216.5	\$ 216.5	819.0
Mass Transit Fund	—	20.0	20.0	20.0	20.0	80.0
<b>Subtotal</b>	<b>\$ 59.5</b>	<b>\$ 130.0</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>899.0</b>
<b>Total</b>	<b>\$ 272.5</b>	<b>\$ 709.7</b>	<b>\$ 820.2</b>	<b>\$ 822.1</b>	<b>\$ 812.0</b>	<b>3,436.5</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

**Table III. Environmental Services: CIP Impact  
on the Operating Budget  
(\$000)**

The impact of this five-year CIP on future operating budgets is estimated to be \$200.0 in Fiscal Year 2017/18, increasing to \$546.0 by Fiscal Year 2021/22 for a five-year total of \$2,384.0. When the following projects in the CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

	<b>Adopted</b>	<b>Projected Requirements</b>				<b>Five</b>
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year</b>
<b>Project Name</b>	<b>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>Total</b>
Silverbell Landfill Water Quality Assurance Treatment Facility	\$ 200.0	\$ 546.0	\$ 546.0	\$ 546.0	\$ 546.0	2,384.0
<b>Total</b>	<b>\$ 200.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>2,384.0</b>
 <b>Source of Funds Summary</b>						
Environmental Services Fund	\$ 200.0	\$ 546.0	\$ 546.0	\$ 546.0	\$ 546.0	2,384.0
<b>Total</b>	<b>\$ 200.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>\$ 546.0</b>	<b>2,384.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table III. Parks and Recreation: CIP Impact on the Operating Budget (\$000)

The impact of this five-year CIP on future operating budgets is estimated to be \$13.0 in Fiscal Year 2017/18, increasing to \$29.5 by Fiscal Year 2021/22 for a five-year total of \$153.5. When the following projects in the CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
A Mountain Improvement	\$ 1.6	\$ 1.6	\$ 1.7	\$ 1.7	\$ 1.8	8.4
Arroyo Chico Urban Path: Country Club to Treat	1.1	1.2	1.3	1.5	1.6	6.7
Barrio Santa Rosa-Viejo Ball Court	0.5	0.6	0.6	0.7	0.7	3.1
Cherry Avenue Improvements	0.5	0.6	0.6	0.7	0.7	3.1
Christopher Columbus Park Expansion	0.6	0.6	0.7	0.7	0.8	3.4
Groves Park Playground	1.1	1.2	1.3	1.5	1.6	6.7
Himmel Park Improvements	1.0	1.1	1.2	1.3	1.5	6.1
Lakeside Park Playground	1.1	1.2	1.3	1.5	1.6	6.7
Limberlost Family Park ADA Improvements and Walking Path	—	1.2	1.3	1.5	1.6	5.6
Lincoln Park Playground	1.1	1.2	1.3	1.5	1.6	6.7
Menlo Park Exercise Stations	0.5	0.6	0.6	0.7	0.7	3.1
Purple Heart Park Expansion	1.8	1.9	2.1	2.3	2.6	10.7
Reid Park Expansion, Phase I	—	—	2.0	2.1	2.4	6.5
Reid Park Zoo Health Center	0.5	6.6	7.2	7.3	8.0	29.6
Shade Structure Projects	0.6	0.6	0.7	0.7	0.8	3.4
South Central Community Park, Phase I	—	12.4	12.6	12.6	—	37.6
Sunnyside Airport Wash Multi-Use Path	1.0	1.1	1.2	1.3	1.5	6.1
<b>Total</b>	<b>\$ 13.0</b>	<b>\$ 33.7</b>	<b>\$ 37.7</b>	<b>\$ 39.6</b>	<b>\$ 29.5</b>	<b>153.5</b>
<b>Source of Funds Summary</b>						
General Fund	\$ 13.0	\$ 33.7	\$ 37.7	\$ 39.6	\$ 29.5	153.5
<b>Total</b>	<b>\$ 13.0</b>	<b>\$ 33.7</b>	<b>\$ 37.7</b>	<b>\$ 39.6</b>	<b>\$ 29.5</b>	<b>153.5</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table III. Transportation: CIP Impact on the Operating Budget (\$000)

The impact of this five-year CIP on future operating budgets is estimated to be \$59.5 in Fiscal Year 2017/18, increasing to \$236.5 by Fiscal Year 2021/22 for a five-year total of \$899.0. When the following projects in the CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

Project Name	Adopted	Projected Requirements					Five
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	Year Total	
4th/Congress/Toole Bike Pedestrian Improvements	\$ 5.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 25.0	
Arroyo Chico Greenway	0.5	0.5	0.5	0.5	0.5	2.5	
Broadway: Camino Seco to Houghton	—	7.5	7.5	7.5	7.5	30.0	
Campbell and 9th HAWK	4.0	4.0	4.0	4.0	4.0	20.0	
Campbell Avenue Revitalization	—	5.0	5.0	5.0	5.0	20.0	
CNG Fueling System	—	20.0	20.0	20.0	20.0	80.0	
Columbus Corridor Pedestrian Path	0.5	0.5	0.5	0.5	0.5	2.5	
Copper Street Bike Boulevard	0.5	0.5	0.5	0.5	0.5	2.5	
Craycroft and Ft. Lowell Park HAWK	4.0	4.0	4.0	4.0	4.0	20.0	
El Paso and Southwestern Greenway	0.5	0.5	0.5	0.5	0.5	2.5	
Five Points Pedestrian Improvements	1.0	1.0	1.0	1.0	1.0	5.0	
Glenn Street Transportation Enhancement	1.0	1.0	1.0	1.0	1.0	5.0	
Grant and Sahuara HAWK	4.0	4.0	4.0	4.0	4.0	20.0	
Houghton Road: Bridge Replacement	—	5.0	5.0	5.0	5.0	20.0	
Houghton Road: Irvington to Valencia	20.0	20.0	20.0	20.0	20.0	100.0	
Houghton Road: Union Pacific Railroad to I-10	5.0	5.0	5.0	5.0	5.0	25.0	
Houghton Road: Broadway to 22nd Street	5.0	5.0	5.0	5.0	5.0	25.0	
Liberty Avenue Bicycle Boulevard	5.0	10.0	10.0	10.0	10.0	45.0	
Park Avenue Transportation Enhancement	—	—	0.5	0.5	0.5	1.5	
Pima Street Pedestrian Pathway Enhancements	—	—	1.0	1.0	1.0	3.0	
Regional Transportation Data Network	—	—	100.0	100.0	100.0	300.0	
Rio Vista Safe Routes to School	—	0.5	0.5	0.5	0.5	2.0	
Robison Safe Routes to School	0.5	0.5	0.5	0.5	0.5	2.5	
Stone Ave: Drachman and Speedway Improvements	—	—	5.0	5.0	5.0	15.0	
Street Improvements Proposition 409	—	25.0	25.0	25.0	25.0	100.0	
Treat Avenue Bike Boulevard	0.5	0.5	0.5	0.5	0.5	2.5	
Valencia: Alvernon to Kolb	2.5	5.0	5.0	5.0	5.0	22.5	
<b>Total</b>	<b>\$ 59.5</b>	<b>\$ 130.0</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>\$ 899.0</b>	

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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**Table III. Transportation: CIP Impact on the Operating Budget**  
**(\$000)**

	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
<b>Source of Funds Summary</b>						
Highway User Revenue Fund	\$ 59.5	\$ 110.0	\$ 216.5	\$ 216.5	\$ 216.5	819.0
Mass Transit Fund	—	20.0	20.0	20.0	20.0	80.0
<b>Total</b>	<b>\$ 59.5</b>	<b>\$ 130.0</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>\$ 236.5</b>	<b>899.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table IV. Projects with Pima County Bond Funding (\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Parks and Recreation</b>						
Barrio Santa Rosa-Viejo Ball Court	\$ 84.4	\$ —	\$ —	\$ —	\$ —	84.4
Menlo Park Playground	10.0	—	—	—	—	10.0
Sunnyside Airport Wash Multi-Use Path	100.0	—	—	—	—	100.0
<b>Parks and Recreation Total</b>	<b>\$ 194.4</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>194.4</b>
<b>Transportation</b>						
22nd Street: I-10 to Tucson Boulevard	\$ —	\$ —	\$ 4,605.9	\$ 4,605.9	\$ —	9,211.8
Broadway Boulevard: Euclid to Country Club	10,000.0	10,000.0	3,652.8	—	—	23,652.8
Country Glenn Neighborhood Improvements	141.3	—	—	—	—	141.3
Elvira Solar Street Lighting	45.0	—	—	—	—	45.0
Five Points Pedestrian Improvements	276.7	—	—	—	—	276.7
Houghton Road: 22nd to Irvington	43.8	175.0	131.3	—	—	350.1
Houghton Road: Bridge Replacement	43.8	175.0	131.3	—	—	350.1
Houghton Road: Irvington to Valencia	43.8	175.0	131.3	—	—	350.1
Houghton Road: Valencia to Mary Ann Cleveland Way	43.8	175.0	131.3	—	—	350.1
Midvale Park Oak Tree Dr. Lighting	107.1	—	—	—	—	107.1
Santa Cruz SW Neighborhood Association Park Improvements	280.0	—	—	—	—	280.0
Silverbell Road: Grant to Ina	6,400.0	—	—	—	—	6,400.0
<b>Transportation Total</b>	<b>\$ 17,425.3</b>	<b>\$ 10,700.0</b>	<b>\$ 8,783.9</b>	<b>\$ 4,605.9</b>	<b>\$ —</b>	<b>41,515.1</b>
<b>Total</b>	<b>\$ 17,619.7</b>	<b>\$ 10,700.0</b>	<b>\$ 8,783.9</b>	<b>\$ 4,605.9</b>	<b>\$ —</b>	<b>41,709.5</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table V. Projects with Development Impact Fees (\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Parks and Recreation</b>						
<b>East District</b>						
Jesse Owens Park	\$ 989.0	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ 989.0
<b>East District Subtotal</b>	<b>\$ 989.0</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 989.0</b>
<b>Central District</b>						
Arroyo Chico Urban Path: Country Club to Treat	\$ 172.7	\$ 90.0	\$ -0-	\$ -0-	\$ -0-	\$ 262.7
Himmel Park Improvements	214.0	-0-	-0-	-0-	-0-	214.0
Limberlost Family Park ADA Improvements and Walking Path	152.0	25.0	-0-	-0-	-0-	177.0
Reid Park Expansion, Phase 1	600.2	239.8	20.3	-0-	-0-	860.3
Silverlake Park	292.5	-0-	-0-	-0-	-0-	292.5
<b>Central District Subtotal</b>	<b>\$ 1,431.4</b>	<b>\$ 354.8</b>	<b>\$ 20.3</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 1,806.5</b>
<b>Southeast District</b>						
Groves Park Playground	\$ 25.0	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ 25.0
Lakeside Park Playground	125.0	-0-	-0-	-0-	-0-	125.0
Lincoln Park Playground	220.0	-0-	-0-	-0-	-0-	220.0
Purple Heart Park Expansion	540.0	-0-	-0-	-0-	-0-	540.0
A Mountain Improvement	168.0	-0-	-0-	-0-	-0-	168.0
Cherry Avenue Improvements	50.0	-0-	-0-	-0-	-0-	50.0
Christopher Columbus Park Expansion	25.1	-0-	-0-	-0-	-0-	25.1
John F. Kennedy Park	9.0	-0-	-0-	-0-	-0-	9.0
San Juan Park	31.0	-0-	-0-	-0-	-0-	31.0
<b>West District Subtotal</b>	<b>\$ 283.1</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 283.1</b>
<b>Parks and Recreation Total</b>	<b>\$ 4,158.2</b>	<b>\$ 924.3</b>	<b>\$ 420.3</b>	<b>\$ 400.0</b>	<b>\$ 409.5</b>	<b>\$ 6,312.3</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## Table V. Projects with Development Impact Fees (\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Transportation</b>						
<b>East District</b>						
Broadway: Camino Seco to Houghton	\$ 1,500.0	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ 1,500.0
Houghton Road: Tanque Verde to 5th Street	50.0	-0-	-0-	-0-	-0-	50.0
Houghton Road: 22nd to Irvington	500.0	-0-	-0-	-0-	-0-	500.0
Houghton Road: Broadway to 22nd Street	200.0	-0-	-0-	-0-	-0-	200.0
Arroyo Chico, MUP, Tucson Blvd	2.0	-0-	-0-	-0-	-0-	2.0
Broadway: Euclid to Country Club	1,500.0	-0-	-0-	-0-	-0-	1,500.0
Grant: Oracle to Swan	3,000.0	2,000.0	-0-	-0-	-0-	5,000.0
<b>Central District Subtotal</b>	<b>\$ 7,502.0</b>	<b>\$ 4,979.9</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 12,481.9</b>
<b>Southeast District</b>						
Houghton Road: Union Pacific Railroad to I-10	\$ 515.0	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ 515.0
Valencia: Alvernon to Kolb	1,000.0	-0-	-0-	-0-	-0-	1,000.0
Valencia: Kolb to Houghton	5,000.0	2,000.0	2,000.0	-0-	-0-	9,000.0
<b>Southeast District Subtotal</b>	<b>\$ 6,515.0</b>	<b>\$ 2,000.0</b>	<b>\$ 2,000.0</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 10,515.0</b>
<b>Southlands District</b>						
Houghton Road: I-10 to Andrada Road	\$ 60.0	\$ 300.0	\$ 300.0	\$ -0-	\$ -0-	\$ 660.0
<b>Southlands District Subtotal</b>	<b>\$ 60.0</b>	<b>\$ 300.0</b>	<b>\$ 300.0</b>	<b>\$ -0-</b>	<b>\$ -0-</b>	<b>\$ 660.0</b>
<b>West District</b>						
Congress Grande Intersection Improvements	\$ 40.0	\$ 35.0	\$ 100.0	\$ 400.0	\$ -0-	\$ 575.0
Silverbell Road: Grant to Ina	2,000.0	200.0	-0-	-0-	-0-	2,200.0
<b>West District Subtotal</b>	<b>\$ 2,040.0</b>	<b>\$ 235.0</b>	<b>\$ 100.0</b>	<b>\$ 400.0</b>	<b>\$ -0-</b>	<b>\$ 2,775.0</b>
<b>Transportation Total</b>	<b>\$ 18,367.0</b>	<b>\$ 7,514.9</b>	<b>\$ 2,400.0</b>	<b>\$ 400.0</b>	<b>\$ -0-</b>	<b>\$ 28,681.9</b>
<b>Total</b>	<b>\$ 22,525.2</b>	<b>\$ 8,439.2</b>	<b>\$ 2,820.3</b>	<b>\$ 800.0</b>	<b>\$ 409.5</b>	<b>\$ 34,994.2</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## ENVIRONMENTAL SERVICES

(\$000)

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
Container Maintenance Assurance Treatment Facility	\$ 3,230.0	\$ 1,430.0	\$ —	\$ —	\$ —	4,660.0
Energy Performance Contract City Hall, Udall Park, DL Park	4,000.0	—	—	—	—	4,000.0
Expansion of Energy Plan at the TCC to Serve Catholic Diocese	1,300.0	—	—	—	—	1,300.0
Household Hazardous Waste Los Reales Relocation	87.0	483.0	—	—	—	570.0
Los Reales Education Center	—	—	—	—	2,000.0	2,000.0
Los Reales Landfill Buffer-Northeastern Berm and Landscape	200.0	—	—	—	—	200.0
Los Reales Landfill East Property Acquisition	50.9	—	—	—	—	50.9
Los Reales Landfill Lined Cell 4	300.0	2,500.0	2,500.0	300.0	—	5,600.0
Los Reales Landfill Self Hauler Facility	4,230.0	2,710.0	—	—	—	6,940.0
Los Reales Lite Maintenance Facility	—	—	500.0	—	—	500.0
Replacement Utility Billing and Operations System	200.0	500.0	500.0	1,300.0	—	2,500.0
Silverbell Landfill Final Cover Operations System	225.0	2,803.0	—	—	—	3,028.0
Silverbell Landfill Water Quality Assurance Treatment Facility	3,150.0	—	—	—	—	3,150.0
Tenth Avenue Maintenance Facility	15.0	290.0	—	—	—	305.0
<b>Total</b>	<b>\$ 16,987.9</b>	<b>\$ 10,716.0</b>	<b>\$ 3,500.0</b>	<b>\$ 1,600.0</b>	<b>\$ 2,000.0</b>	<b>\$ 34,803.9</b>
<b>Source of Funds Summary</b>						
Environmental Services Fund	\$ 11,687.9	\$ 10,716.0	\$ 3,500.0	\$ 1,600.0	\$ 2,000.0	\$ 29,503.9
General Fund	4,650.0	—	—	—	—	4,650.0
General Services Internal Service Fund	650.0	—	—	—	—	650.0
<b>Total</b>	<b>\$ 16,987.9</b>	<b>\$ 10,716.0</b>	<b>\$ 3,500.0</b>	<b>\$ 1,600.0</b>	<b>\$ 2,000.0</b>	<b>\$ 34,803.9</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## HOUSING and COMMUNITY DEVELOPMENT

(\$000)

	Adopted Year 1 FY 17/18	Year 2 FY 18/19	Projected Requirements Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	Five Year Total
<b>Project Name</b>						
Community Development Block Grant Master CIP	\$ 1,000.0	\$ —	\$ —	\$ —	\$ —	1,000.0
Community Development Block Grant allocated for TFD	1,950.0	—	—	—	—	1,950.0
<b>Total</b>	<b>\$ 2,950.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>2,950.0</b>
<b>Source of Funds Summary</b>						
Community Development Block Grant Fund	\$ 2,950.0	\$ —	\$ —	\$ —	\$ —	2,950.0
<b>Total</b>	<b>\$ 2,950.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>2,950.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## PARKS and RECREATION

(\$000)

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
A Mountain Improvement	\$ 168.0	\$ —	\$ —	\$ —	\$ —	168.0
Arroyo Chico Urban Path: Country Club to Treat	172.7	90.0	—	—	—	262.7
Barrio Santa Rosa-Viejo Ball Court	84.4	—	—	—	—	84.4
Cherry Avenue Improvements	50.0	—	—	—	—	50.0
Christopher Columbus Park Expansion	25.1	—	—	—	—	25.1
Groves Park Playground	25.0	—	—	—	—	25.0
Himmel Park Improvements	214.0	—	—	—	—	214.0
Jesse Owens Park	989.0	—	—	—	—	989.0
John F. Kennedy Park	9.0	—	—	—	—	9.0
Lakeside Park Playground	125.0	—	—	—	—	125.0
Limberlost Family Park ADA Improvements and Walking Path	152.0	25.0	—	—	—	177.0
Lincoln Park Playground	220.0	—	—	—	—	220.0
Menlo Park Playground	10.0	—	—	—	—	10.0
Purple Heart Park Expansion	540.0	—	—	—	—	540.0
Reid Park Expansion, Phase 1	600.2	239.8	20.3	—	—	860.3
Reid Park Zoo Health Center	1,825.3	—	—	—	—	1,825.3
San Juan Park	31.0	—	—	—	—	31.0
Shade Structure Projects	25.0	25.0	25.0	25.0	25.0	125.0
Silverlake Park	292.5	—	—	—	—	292.5
South Central Community Park, Phase I	364.7	269.5	—	—	—	634.2
Sunnyside Airport Wash Multi Use Path	100.0	—	—	—	—	100.0
Valencia Corridor Land Acquisition, Phase I	180.0	300.0	400.0	400.0	409.5	1,689.5
<b>Total</b>	<b>\$ 6,202.9</b>	<b>\$ 949.3</b>	<b>\$ 445.3</b>	<b>\$ 425.0</b>	<b>\$ 434.5</b>	<b>8,457.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## PARKS and RECREATION

(\$000)

	Adopted	Projected Requirements				Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
<b>Source of Funds Summary</b>						
Capital Improvement Fund	\$ 194.4	\$ —	\$ —	\$ —	\$ —	194.4
Civic Contributions Fund	1,850.3	25.0	25.0	25.0	25.0	1,950.3
Impact Fee Fund: Central Benefit District	1,431.4	354.8	20.3	—	—	1,806.5
Impact Fee Fund: East Benefit District	989.0	—	—	—	—	989.0
Impact Fee Fund: Southeast Benefit District	1,274.7	269.5	—	—	—	1,544.2
Impact Fee Fund: Southlands Benefit District	180.0	300.0	400.0	400.0	409.5	1,689.5
Impact Fee Fund: West Benefit District	283.1	—	—	—	—	283.1
<b>Total</b>	<b>\$ 6,202.9</b>	<b>\$ 949.3</b>	<b>\$ 445.3</b>	<b>\$ 425.0</b>	<b>\$ 434.5</b>	<b>\$ 8,457.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

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## PUBLIC SAFETY

(\$000)

Project Name	Adopted	Projected Requirements				Five
	Year 1	Year 2	Year 3	Year 4	Year 5	Year
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Total
Tucson Fire Improvements	\$ 17,100.0	\$ 14,475.0	\$ 14,475.0	\$ 14,475.0	\$ 14,475.0	\$ 75,000.0
Tucson Police Improvements	12,900.0	15,525.0	15,525.0	15,525.0	15,525.0	75,000.0
<b>Total</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 150,000.0</b>
<b>Source of Funds Summary</b>						
Public Safety Improvement Fund	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	\$ 30,000.0	\$ 150,000.0
<b>Total</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 30,000.0</b>	<b>\$ 150,000.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TRANSPORTATION

(\$000)

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
4th /Congress/Toole Bike Pedestrian Improvements	\$ 311.6	\$ —	\$ —	\$ —	\$ —	311.6
22nd Street: I-10 to Tucson Boulevard	3,005.0	5,394.9	19,005.9	19,005.9	14,400.0	60,811.7
ADA Transition Plan	822.0	—	—	—	—	822.0
Arcadia and Timrod Bike Boulevards	39.1	—	—	—	—	39.1
Arroyo Chico Greenway	501.7	—	—	—	—	501.7
Arroyo Chico MUP, Tucson Boulevard	6.0	—	—	—	—	6.0
Associated Transit Improvements	932.2	177.0	177.0	177.0	177.0	1,640.2
Broadway Boulevard: Camino Seco to Houghton	5,599.0	3,750.0	—	—	—	9,349.0
Broadway Boulevard: Euclid to Country Club	26,837.0	16,760.0	18,652.8	4,550.0	—	66,799.8
Campbell and 9th HAWK	15.0	—	—	—	—	15.0
Campbell Avenue Revitalization	98.5	—	—	—	—	98.5
CNG Fueling System - NW Expansion	4,000.0	4,000.0	—	—	—	8,000.0
Columbus Corridor Pedestrian Path	35.0	—	—	—	—	35.0
Congress Grande Intersection Improvements	40.0	35.0	100.0	400.0	—	575.0
Copper Street Bike Boulevard	388.0	—	—	—	—	388.0
Country Glenn Neighborhood Improvements	141.3	—	—	—	—	141.3
Craycroft and Ft. Lowell Park HAWK	40.0	—	—	—	—	40.0
Downtown Links Barraza-Aviation	16,761.0	17,700.0	11,752.0	—	—	46,213.0
El Paso and Southwestern Greenway	269.8	—	—	—	—	269.8
Elvira Solar Street Lighting	45.0	—	—	—	—	45.0
First Avenue: Grant to River	3,000.0	—	13,000.0	7,000.0	17,500.0	40,500.0
Five Points Pedestrian Improvements	555.7	—	—	—	—	555.7
Glenn Street Transportation Enhancement	903.0	—	—	—	—	903.0
Grant and Sahuara HAWK	25.0	—	—	—	—	25.0
Grant: Oracle to Swan	17,600.0	4,000.0	22,563.0	40,500.0	318.0	84,981.0
Houghton Road: Tanque Verde to 5th Street	50.0	—	—	—	—	50.0
Houghton Road: 22nd to Irvington	2,114.7	458.4	344.3	—	—	2,917.4
Houghton Road: Bridge Replacement	2,949.7	1,058.4	794.3	9,000.0	9,000.0	22,802.4
Houghton Road: Broadway to 22nd Street	205.0	—	—	—	—	205.0
Houghton Road: I-10 to Andrada Road	60.0	300.0	300.0	—	—	660.0
Houghton Road: Irvington to Valencia	826.8	458.3	344.3	—	—	1,629.4
Houghton Road: Union Pacific Railroad to I-10	3,066.7	566.7	426.0	28.4	—	4,087.8
Houghton: Valencia to Mary Ann Cleveland Way	814.7	458.4	344.3	—	—	1,617.4

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TRANSPORTATION

(\$000)

	Adopted		Projected Requirements			Five
	Year 1	Year 2	Year 3	Year 4	Year 5	Year
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Total
Kolb Road: Irvington to Valencia	\$ 68.0	\$ 2,114.0	\$ —	\$ —	\$ —	2,182.0
Liberty Avenue Bicycle Boulevard	1,061.0	—	—	—	—	1,061.0
MAC Way Atterbury Wash Way	500.0	—	—	—	—	500.0
Midvale Park Oak Tree Dr. Lighting	107.1	—	—	—	—	107.1
Park Avenue Transportation Enhancement	23.7	7.5	—	—	—	31.2
Pima Street Pedestrian Pathway Enhancements	19.1	10.1	—	—	—	29.2
Regional Transportation Data Network	250.0	250.0	250.0	250.0	—	1,000.0
Rio Vista Safe Routes to School	244.0	—	—	—	—	244.0
Road Improvements: Proposition 101	20,000.0	20,000.0	20,000.0	20,000.0	20,000.0	100,000.0
Robison Safe Routes to School	252.0	—	—	—	—	252.0
Safe Routes to School Program	27.0	—	—	—	—	27.0
Santa Cruz SW Neighborhood Association Park Improvements	280.0	—	—	—	—	280.0
Security for Transit	177.0	177.0	177.0	177.0	176.5	884.5
Silverbell: Ina to Grant Road	17,267.0	2,205.0	265.0	5.0	—	19,742.0
Stone Ave: Drachman and Speedway Improvements	404.0	11.0	—	—	—	415.0
Street Improvements: Proposition 409	27,665.0	—	—	—	—	27,665.0
Sun Tran Replacement Buses 40 ft.	—	11,696.0	10,907.0	8,280.0	8,532.0	39,415.0
Sun Tran South Park Electrical System Repair	—	—	500.0	—	—	500.0
Sun Tran South Park Facility Bus Wash Replacement	—	450.0	—	—	—	450.0
Sun Van Fuel Tank Replacements	—	—	—	300.0	—	300.0
Sun Van Replacement Buses <30 ft.	—	2,154.2	2,220.5	3,831.3	2,988.0	11,194.0
Sun Van Revenue Vehicle Parking Lot Expansion	—	—	—	700.0	—	700.0
Transit Facility Improvements South Park Stormwater Yard	3,199.7	—	—	—	—	3,199.7
Treat Avenue Bike Boulevard	215.0	—	—	—	—	215.0
Valencia: Alvernon to Kolb	5,010.0	6,000.0	—	—	—	11,010.0
Valencia: Kolb to Houghton	8,340.0	7,440.0	2,250.0	8,300.0	7,900.0	34,230.0
<b>Total</b>	<b>\$ 177,168.1</b>	<b>\$ 107,631.9</b>	<b>\$ 124,373.4</b>	<b>\$ 122,504.6</b>	<b>\$ 80,991.5</b>	<b>\$ 612,669.5</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TRANSPORTATION

(\$000)

Source of Funds Summary	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
2016 General Obligation Street Bonds	\$ 7,800.0	\$ —	\$ —	\$ —	\$ —	\$ 7,800.0
2017 General Obligation Street Bonds	19,800.0	—	—	—	—	19,800.0
Capital Agreement Fund: PAG	17,685.0	2,625.0	19,823.0	20,500.0	—	60,633.0
Capital Agreement Fund: Pima County Bonds	17,425.3	10,700.0	8,783.9	4,605.9	—	41,515.1
Capital Agreement Fund: Pima County Contribution	1,137.4	1,700.2	1,278.0	—	—	4,115.6
Federal Highway Administration Grants	14,115.7	3,931.5	—	—	—	18,047.2
Highway User Revenue Fund	842.3	11.1	5.0	5.0	—	863.4
Impact Fee Fund: Central District	7,502.0	4,979.9	—	—	—	12,481.9
Impact Fee Fund: East District	2,250.0	—	—	—	—	2,250.0
Impact Fee Fund: Southeast District	6,515.0	2,000.0	2,000.0	—	—	10,515.0
Impact Fee Fund: Southlands District	60.0	300.0	300.0	—	—	660.0
Impact Fee Fund: West District	2,040.0	235.0	100.0	400.0	—	2,775.0
Mass Transit Fund: Federal Grants	7,196.6	14,986.4	10,850.2	10,085.6	9,480.9	52,599.7
Mass Transit Fund: General Fund	1,112.3	3,667.8	3,131.3	3,379.7	2,392.6	13,683.7
Road Improvement Fund	20,000.0	20,000.0	20,000.0	20,000.0	20,000.0	100,000.0
Regional Transportation Authority Fund	51,686.5	42,495.0	58,102.0	63,528.4	49,118.0	264,929.9
<b>Total</b>	<b>\$ 177,168.1</b>	<b>\$ 107,631.9</b>	<b>\$ 124,373.4</b>	<b>\$ 122,504.6</b>	<b>\$ 80,991.5</b>	<b>\$ 612,669.5</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TUCSON WATER

(\$000)

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
Academy Reservoir	\$ 300.0	\$ —	\$ —	\$ —	\$ —	300.0
Advanced Metering Infrastructure	1,050.0	896.0	948.0	351.0	—	3,245.0
Arc Flash Service Upgrades	1,134.0	1,123.0	1,156.0	117.0	60.0	3,590.0
Billing System	—	—	578.0	8,180.0	17,888.0	26,646.0
Calle Santa Cruz Transmission Main Replacement	63.0	3,117.0	—	—	—	3,180.0
CAP Basin Collector Pipelines	—	—	—	—	60.0	60.0
CAP Basin Well 24" Transmission Main, Old Nogales Highway	—	—	—	118.0	42.0	160.0
Cathodic Protection for Critical Pipelines	680.0	674.0	694.0	701.0	716.0	3,465.0
CAVSARP Well Pump Improvements	340.0	337.0	347.0	351.0	358.0	1,733.0
Clearwell Reservoir Rehabilitation	7,711.0	135.0	—	—	—	7,846.0
Control Panel Replacements: Potable	113.0	112.0	116.0	117.0	119.0	577.0
Control Panels: Reclaimed System	170.0	168.0	173.0	175.0	179.0	865.0
Craycroft Addition Subdivision, Phase I	454.0	—	—	—	—	454.0
Danforth E-F Booster Station Upgrade	40.0	—	—	—	—	40.0
Developer-Financed Reclaimed Systems	68.0	67.0	69.0	70.0	72.0	346.0
Devine Reservoir Parking Lot	65.0	—	—	—	—	65.0
Diamond Bell Production Facilities Improvement	113.0	281.0	636.0	—	—	1,030.0
Drexel I-19 Crossing 24 Main	—	—	58.0	1,110.0	—	1,168.0
Drill Production Wells	—	—	—	1,753.0	1,789.0	3,542.0
Effluent Pump Station Expansion	140.0	—	1,588.0	—	—	1,728.0
Eisenhower Road D-Zone Transmission Main	363.0	—	—	—	—	363.0
Emergency Main Replacement	227.0	225.0	231.0	234.0	239.0	1,156.0
Equip Well A-061	397.0	—	—	—	—	397.0
Equip Wells SS-021 and SS-023	—	—	—	—	179.0	179.0
Equip Well W-006	40.0	—	—	—	—	40.0
Escalante Reservoir	—	168.0	752.0	760.0	—	1,680.0
Excellence in Customer Care Center	3,024.0	—	—	—	—	3,024.0
Extensions for New Services	113.0	112.0	116.0	117.0	119.0	577.0
Facility Safety and Security Infrastructure	567.0	561.0	1,156.0	1,169.0	1,193.0	4,646.0
Filtration Modifications at Reclaimed Plant	1,269.0	—	—	—	—	1,269.0
Fire Hydrants in Annexation Areas	113.0	112.0	116.0	117.0	119.0	577.0
Fire Services	1,984.0	1,965.0	2,024.0	2,045.0	2,087.0	10,105.0
Gas Engines	—	842.0	867.0	876.0	894.0	3,479.0
Goebel Avenue Distribution Main	—	—	29.0	103.0	—	132.0

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TUCSON WATER

(\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
H-1 Ironwood PRV Station Bailey Valve Replacement	\$ —	\$ 365.0	\$ 52.0	\$ —	\$ —	417.0
Houghton Road Reclaimed Reservoir	—	2,919.0	—	—	—	2,919.0
Magee Road (410E) PRV	—	—	—	88.0	—	88.0
Manzanita Tank Lining	—	34.0	752.0	—	—	786.0
Maryvale Manor Subdivision, Phase I	57.0	943.0	—	—	—	1,000.0
Maryvale Manor Subdivision, Phase III	—	56.0	543.0	—	—	599.0
Meter Upgrade and Replacement Program	4,489.0	4,447.0	4,625.0	3,506.0	3,578.0	20,645.0
Miscellaneous Land and Right-of-Way Acquisitions	11.0	11.0	12.0	12.0	12.0	58.0
Nebraska Road Distribution Main	—	—	289.0	—	—	289.0
New Metered Services	57.0	56.0	58.0	58.0	60.0	289.0
Northgate Subdivision, Phase I	1,384.0	—	—	—	—	1,384.0
Old Vail Steel Tank Upgrades (Rehab)	150.0	—	—	—	—	150.0
Payments to Developers for Oversized Systems	113.0	112.0	116.0	117.0	119.0	577.0
Pima Mine Road Production Well Drilling	—	—	—	2,921.0	—	2,921.0
Pima Mine Road Well Equipping (3)	—	—	—	—	179.0	179.0
Plant 1 Building 10 and 11 Improvements	—	112.0	116.0	58.0	—	286.0
Plant 1 Building 3 Remodeling	57.0	225.0	173.0	—	—	455.0
Plant 1 New Meter Shop	113.0	561.0	463.0	—	—	1,137.0
Pressure Tank Replacement	510.0	505.0	520.0	526.0	537.0	2,598.0
Production Well Sites	84.0	83.0	86.0	87.0	89.0	429.0
Rauscher D-E Booster Station	30.0	—	—	—	—	30.0
Reclaimed Booster Expansion	—	—	—	310.0	2,385.0	2,695.0
Recycled Water Program	3,118.0	994.0	1,000.0	1,005.0	1,002.0	7,119.0
RE-Equip Well I-001B	195.0	—	—	—	—	195.0
Relocate Aeropark Teton PRV	85.0	—	—	—	—	85.0
Relocate Anklam Road PRV	—	—	—	204.0	—	204.0
Relocate Camino De Los Ranchos PRV	—	197.0	—	—	—	197.0
Relocate Craycroft Shadow Ridge PRV	—	11.0	249.0	—	—	260.0
Relocate Spencer PRV	—	—	173.0	—	—	173.0
Relocate Via Velazquez PRV	34.0	168.0	—	—	—	202.0
Reservoir and Tank Rehabilitation	—	—	5,782.0	5,843.0	5,963.0	17,588.0
Responsive Meter Replacement	567.0	561.0	578.0	—	—	1,706.0
Review Developer-Financed Potable Projects	1,077.0	1,067.0	1,099.0	1,110.0	1,133.0	5,486.0
Rita Road F2 to G2 Zone Booster Station	—	168.0	1,388.0	—	—	1,556.0
River Road 12-Inch Main	34.0	674.0	—	—	—	708.0

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TUCSON WATER

(\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
Road Improvement Main Replacements	\$ 15,757.0	\$ 7,860.0	\$ 5,782.0	\$ 5,843.0	\$ 5,963.0	\$ 41,205.0
SA-016A Recovery Well Drilling	—	—	694.0	—	—	694.0
SA-019A, SA-021A Recovery Well Drilling	—	—	1,322.0	—	—	1,322.0
SA-023A Recovery Well Drilling	—	—	694.0	—	—	694.0
Sahuarita Supply Line Slipliner	1,856.0	7,153.0	1,156.0	—	—	10,165.0
San Paulo Village Main Replacement Phase I	595.0	—	—	—	—	595.0
San Paulo Village Main Replacement Phase II	113.0	1,273.0	—	—	—	1,386.0
San Paulo Village Main Replacement Phase III	57.0	460.0	—	—	—	517.0
Santa Cruz SC-008 Well Collector Line	1,474.0	—	—	—	—	1,474.0
Santa Cruz Wellfield Chemical Feed/Monitoring Facility	2,826.0	—	—	—	—	2,826.0
Santa Cruz Wellfield Facility Pipeline	1,905.0	—	—	—	—	1,905.0
Santa Cruz Well SC-001/04/14 Equipping	—	—	173.0	1,402.0	—	1,575.0
Santa Cruz Wells Re-Equipping	195.0	—	—	—	—	195.0
SAVSARP Booster Station Upgrade	—	—	—	—	302.0	302.0
SAVSARP Collector Lines, Phase III	—	—	—	876.0	894.0	1,770.0
SAVSARP Collector Lines, Phase IV	—	—	—	—	41.0	41.0
SAVSARP Collector Lines, Phase V	—	—	39.0	2,083.0	—	2,122.0
SAVSARP Phase III Well Equipping Cathodic Protection	—	—	—	1,110.0	2,445.0	3,555.0
SC-001 and SC-004 Well Transmission Lines	57.0	67.0	130.0	570.0	—	824.0
SCADA Potable Upgrades	6,236.0	5,839.0	6,128.0	6,193.0	2,385.0	26,781.0
SC Well Replacement SC-001, SC-004, SC-014	—	—	2,313.0	—	—	2,313.0
Silverbell Orange Grove 12" PRV SC-004, SC-014	23.0	202.0	—	—	—	225.0
Source Meter Replacement	249.0	247.0	254.0	257.0	262.0	1,269.0
South Avra Valley Recovered Transmission Main	—	—	—	584.0	1,193.0	1,777.0
Southeast Houghton Area Discharge Project	624.0	6,569.0	—	—	—	7,193.0
Stallion Road Distribution Main, Catalina	172.0	—	—	—	—	172.0
System Enhancements: Reclaimed	283.0	281.0	289.0	292.0	298.0	1,443.0
Tanque Verde to Wentworth 8-Inch Main	254.0	—	—	—	—	254.0
TARP AOP Settling Tank	140.0	—	—	—	—	140.0

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## TUCSON WATER

(\$000)

	Adopted		Projected Requirements			Five Year Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	
TARP Wells R-001 - R-008 Drilling Replacement	\$ 567.0	\$ 561.0	\$ —	\$ 1,169.0	\$ —	\$ 2,297.0
TARP Wells R-001 - R-008 Re-Equipping	113.0	505.0	520.0	526.0	537.0	2,201.0
Thunderbird Old Spanish Trail Distribution Main	—	—	58.0	958.0	—	1,016.0
Thunderbird Old Spanish Trail PRV	—	56.0	254.0	—	—	310.0
Tierra Del Sol Main Replacement Phase I	476.0	—	—	—	—	476.0
Tierra Del Sol Main Replacement Phase II	—	56.0	486.0	—	—	542.0
Tierra Del Sol Main Replacement Phase III	—	56.0	717.0	—	—	773.0
Tierra Del Sol Main Replacement Phase IV	—	56.0	572.0	—	—	628.0
Trails End Reservoir Rehabilitation	—	168.0	925.0	—	—	1,093.0
Valve Access Vault	567.0	561.0	578.0	584.0	596.0	2,886.0
Water Services	1,712.0	1,696.0	1,746.0	1,764.0	1,801.0	8,719.0
Wellfield Upgrades	567.0	561.0	578.0	584.0	596.0	2,886.0
Wilmot Main Replacement	690.0	—	—	—	—	690.0
<b>Total</b>	<b>\$ 70,211.0</b>	<b>\$ 59,391.0</b>	<b>\$ 55,136.0</b>	<b>\$ 59,104.0</b>	<b>\$ 58,483.0</b>	<b>\$ 302,325.0</b>

### Source of Funds Summary

2016 Water Revenue System Obligation Fund	\$ 13,175.0	\$ —	\$ —	\$ —	\$ —	\$ 13,175.0
2017 Water Revenue System Obligation Fund	27,126.0	—	—	—	—	27,126.0
Future Water Revenue Bonds	—	33,641.0	25,863.0	28,523.0	26,269.0	114,296.0
Tucson Water Revenue and Operations Fund	29,910.0	25,750.0	29,273.0	30,581.0	32,214.0	147,728.0
<b>Total</b>	<b>\$ 70,211.0</b>	<b>\$ 59,391.0</b>	<b>\$ 55,136.0</b>	<b>\$ 59,104.0</b>	<b>\$ 58,483.0</b>	<b>\$ 302,325.0</b>

# FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

## GENERAL GOVERNMENT

(\$000)

Project Name	Adopted		Projected Requirements			Five Year Total
	Year 1 FY 17/18	Year 2 FY 18/19	Year 3 FY 19/20	Year 4 FY 20/21	Year 5 FY 21/22	
NICE Recorder Logger Replacement	\$ 600.0	\$ —	\$ —	\$ —	\$ —	600.0
Enterprise Resource System (ERP) Upgrades	1,800.0	1,500.0	—	—	—	3,300.0
<b>Total</b>	<b>\$ 2,400.0</b>	<b>\$ 1,500.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>3,900.0</b>
<b>Source of Funds Summary</b>						
General Fund	\$ 2,400.0	\$ 1,500.0	\$ —	\$ —	\$ —	3,900.0
<b>Total</b>	<b>\$ 2,400.0</b>	<b>\$ 1,500.0</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>	<b>3,900.0</b>

## Section B Department Programs



## Environmental and General Services



# Capital Improvement Program Department Statement

FY 2017/18 through FY 2021/22

**Department:** Environmental and General Services

**Five-Year Total:** \$34,803,900

The Capital Improvement Plan (CIP) of \$29.5 million is Environmental Services' avenue to plan, establish and fund the City's need to safeguard the community from environmental impacts, improve department and landfill facilities, create future landfill capacity, and comply with environmental protection regulations. Projects directly reflect the City's efforts in meeting the long-term needs of the community, enhancing neighborhoods and downtown by restoring the natural environment and removing environmental barriers to redevelopment.

The Los Reales Landfill is a regional facility serving residents and businesses of Tucson and Pima County. It is the only active landfill owned and managed by the City of Tucson. Improvements to the landfill were master planned in phases and include perimeter fencing, utility infrastructure and site facilities for scales, landfill administration, self haulers, recycling, household hazardous waste, and a learning center.

The five-year program is funded solely from the department's revenues. Projects are divided into the following categories:

**Administration.** The Replacement Utility Billing and Operations System is a collaborative project with the City of Tucson Water Department to upgrade the current Naviline billing system.

**Facilities and Landfill Construction.** Projects in this category include improvements to the department's Container Maintenance Facility, construction of the Self Hauler Facility, construction of a Household Hazardous Waste Facility, construction of a public Education Center, construction of an additional Cell for future disposal capacity, and a landfill buffer on the northeastern berm with landscaping at the Los Reales Landfill.

**Environmental Capital.** The Silverbell Landfill Water Quality Assurance Treatment System and Silverbell Landfill Final Cover System are regulatory projects to remove landfill contamination from the groundwater that will protect down gradient wells and the Sweetwater Recharge Facility.

The five year capital program is funded from the Environmental Services Fund.

The General Services CIP of \$5.3 million consists of two projects: The Energy Performance Contract and the Energy Expansion Plan at Tucson Convention Center (TCC).

**Energy Performance Contract.** This is a pilot program that will realize a net savings in utility costs and will accomplish the much needed facility fixes and upgrades to the energy and water systems.

**Expansion of Energy Plant.** The expansion at the TCC will serve Catholic Diocese heating and cooling water to their facilities. The energy plant was originally designed and constructed with the internet to serve private entities. This project will save the City money by spreading overhead costs of operating the plant. This project may help pave the way to wider district energy uses downtown, which is a known economic development driver.

This work is funded through the General Services Internal Service Fund and General Fund.

## Environmental and General Services

(\$000)

<b>Container Maintenance - Los Reales Relocation</b>										Project ID: Q422	
<b>Description:</b> Design and construct a Container Maintenance Facility to be located at the Los Reales Landfill site. The facility includes a welding area, painting area and maintenance shop area. Administration areas include offices, a conference room and storage and locker facilities.										Start Date: 6/17	
<b>Justification:</b> The current Container Maintenance Facility at 10th Avenue is inadequate to serve the needs of the City of Tucson. Improvements in building and facility design are needed to provide a safe and efficient working environment for the container maintenance activities.										End Date: 6/19	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	230.0	0.0	3,230.0	3,230.0	1,430.0	0.0	0.0	0.0	4,660.0	0.0	4,890.0
<b>Total</b>	<b>230.0</b>	<b>0.0</b>	<b>3,230.0</b>	<b>3,230.0</b>	<b>1,430.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4,660.0</b>	<b>0.0</b>	<b>4,890.0</b>

<b>Energy Performance Contract (City Hall, Udall Park, Donna Liggins Park)</b>										Project ID: B815	
<b>Description:</b> Upgrade City Hall, Udall Park and Donna Liggins Park facilities, resulting in energy and water efficiency. These upgrades will come in the form of heating, ventilating, and air conditioning (HVAC), lighting, controls, irrigation and potentially envelope upgrades of the subject facilities.										Start Date: 6/17	
<b>Justification:</b> The facilities will realize a net savings in utility costs and will not have to find the cash to invest in much needed facility fixes and upgrades to energy and water systems. The facilities will be more comfortable and productive places to work and for the public to visit.										End Date: 6/18	
<b>City-Wide Priorities:</b> Balance Budget and Maintenance and Renovation of Existing City Assets.										Location: Wards 1, 2 and 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Fund	0.0	0.0	4,000.0	4,000.0	0.0	0.0	0.0	0.0	4,000.0	0.0	4,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>4,000.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>4,000.0</b>

**Expansion of Energy Plan at the Tucson Convention Center to Serve Catholic Diocese**

**Description:**  
Extend pipelines from the existing City owned energy plant to the Cathedral Square to serve the Diocese heating and cooling water to their facilities.

**Justification:**  
The energy plant was originally designed and constructed with the intent to serve private entities.

**City-Wide Priorities:** Balanced Budget and Maintenance and Renovation of Existing City Assets.

**Project ID:** B814  
**Start Date:** 6/17  
**End Date:** 6/18  
**Location:** Ward 6

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Fund	0.0	0.0	650.0	650.0	0.0	0.0	0.0	0.0	650.0	0.0	650.0
General Services Internal Service Fund	0.0	0.0	650.0	650.0	0.0	0.0	0.0	0.0	650.0	0.0	650.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,300.0</b>	<b>1,300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,300.0</b>	<b>0.0</b>	<b>1,300.0</b>

**Household Hazardous Waste - Los Reales Relocation**

**Description:**  
Design and construct a facility to relocate Household Hazardous Waste to the Los Reales Landfill.

**Justification:**  
Centralizing Household Hazardous Waste facilities into one location at Los Reales Landfill will increase efficiency and provide better service and operational hours for the public.

**City-Wide Priorities:** Health and Safety and Maintenance and Renovation of Existing City Assets.

**Project ID:** Q421  
**Start Date:** 10/17  
**End Date:** 7/19  
**Location:** Ward 5

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	0.0	87.0	87.0	483.0	0.0	0.0	0.0	570.0	0.0	570.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>87.0</b>	<b>87.0</b>	<b>483.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>570.0</b>	<b>0.0</b>	<b>570.0</b>

**Los Reales - Education Center**

**Description:**  
Design and construct a public education and training facility at the Los Reales Landfill.

**Justification:**  
Promote awareness of environmental and solid waste management issues and challenges in our community.

**City-Wide Priorities:** Health and Safety and Customer Service.

**Project ID:** Q386  
**Start Date:** 7/21  
**End Date:** 7/22  
**Location:** Ward 5

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,000.0	2,000.0	0.0	2,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,000.0</b>	<b>2,000.0</b>	<b>0.0</b>	<b>2,000.0</b>

**Los Reales Landfill Buffer - Northeastern Berm and Landscape**

**Description:**  
Design and construct an earthen berm to include desert landscaping for the northeastern buffer adjacent to the landfill entrance on Craycroft Road.

**Justification:**  
The construction of the earthen berm with landscaping will provide a buffer along the Craycroft Road landfill entrance. The berm will provide a visual screen for undeveloped property to the east of the landfill entrance and act as a noise reduction barrier for traffic entering the landfill.

**City-Wide Priorities:** Health and Safety and Maintenance and Renovation of Existing City Assets.

**Project ID:** Q334  
**Start Date:** 4/16  
**End Date:** 12/17  
**Location:** Ward 5

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	50.0	200.0	0.0	200.0	0.0	0.0	0.0	0.0	200.0	0.0	250.0
<b>Total</b>	<b>50.0</b>	<b>200.0</b>	<b>0.0</b>	<b>200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>200.0</b>	<b>0.0</b>	<b>250.0</b>

<b>Los Reales Landfill East Property Acquisition</b>										Project ID: Q413	
<b>Description:</b> Purchase land located south of Los Reales Road and east of Craycroft Road.										Start Date: 7/13	
<b>Justification:</b> The land will serve as a buffer for neighboring homes.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	3,243.4	50.9	0.0	50.9	0.0	0.0	0.0	0.0	50.9	0.0	3,294.3
<b>Total</b>	<b>3,243.4</b>	<b>50.9</b>	<b>0.0</b>	<b>50.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.9</b>	<b>0.0</b>	<b>3,294.3</b>

<b>Los Reales Landfill Lined Cell 4</b>										Project ID: Q416	
<b>Description:</b> Design and construct Cell at the Los Reales Landfill. This project includes construction of the base and sidewall liner systems, leachate collection system and modifications to the on-site basins, channels, and road.										Start Date: 7/17	
<b>Justification:</b> It is estimated that the current landfill areas will be filled by 2022, based on the current and expected waste accepted rates at the Los Reales Landfill. The Cell 4 fill area is needed to provide continued waste disposal capacity at the landfill for the City of Tucson and surrounding areas.										End Date: 6/21	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	0.0	300.0	300.0	2,500.0	2,500.0	300.0	0.0	5,600.0	0.0	5,600.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>300.0</b>	<b>300.0</b>	<b>2,500.0</b>	<b>2,500.0</b>	<b>300.0</b>	<b>0.0</b>	<b>5,600.0</b>	<b>0.0</b>	<b>5,600.0</b>

**Los Reales Landfill Self Hauler Facility**

**Description:**  
Design and construct a residential self-hauler facility. This is the second phase of the 80-acre development.

**Justification:**  
Having a dedicated location for customer drop-off, away from the landfill's working face will increase landfill safety and efficiency, reduce litter and dust and accommodate future recycling programs.

**City-Wide Priorities:** Balanced Budget, Customer Service, and Health and Safety.

**Project ID:** Q329  
**Start Date:** 7/15  
**End Date:** 6/18  
**Location:** Ward 5

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	430.0	1,720.0	2,510.0	4,230.0	2,710.0	0.0	0.0	0.0	6,940.0	0.0	7,370.0
<b>Total</b>	<b>430.0</b>	<b>1,720.0</b>	<b>2,510.0</b>	<b>4,230.0</b>	<b>2,710.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6,940.0</b>	<b>0.0</b>	<b>7,370.0</b>

**Los Reales Light Maintenance Facility**

**Description:**  
Design and construct a concrete pad and parking area for performing light vehicle maintenance work on Collection Fleet trucks while at Los Reales Landfill.

**Justification:**  
Reduction in tow truck request and shorten truck down time from light repairs.

**City-Wide Priorities:** Health and Safety and Maintenance and Renovation of Existing City Assets.

**Project ID:** Q385  
**Start Date:** 6/19  
**End Date:** 6/20  
**Location:** Ward 5

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	0.0	0.0	0.0	0.0	500.0	0.0	0.0	500.0	0.0	500.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>500.0</b>

**Replacement Utility Billing and Operations System**

**Description:**  
 Upgrade the Naviline Billing System in a collaborative partnership with the City of Tucson Water Department. The Naviline Billing System tracks services and bills for potable water, city refuse and wastewater. The system handles related functions such as work management, call management and interfaces to the City Enterprise Resource Planning (ERP) systems.

**Justification:**  
 Replace current utility billing and operations system to obtain greater capacity, more versatility, and modernization.

**City-Wide Priorities:** Balanced Budget and Customer Service.

**Project ID:** Q501  
**Start Date:** 1/16  
**End Date:** 6/21  
**Location:** Citywide

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	200.0	0.0	200.0	500.0	500.0	1,300.0	0.0	2,500.0	0.0	2,500.0
<b>Total</b>	<b>0.0</b>	<b>200.0</b>	<b>0.0</b>	<b>200.0</b>	<b>500.0</b>	<b>500.0</b>	<b>1,300.0</b>	<b>0.0</b>	<b>2,500.0</b>	<b>0.0</b>	<b>2,500.0</b>

**Silverbell Landfill Final Cover System - South Cell**

**Description:**  
 Design and construct the final landfill cover system for the South Cell at the Silverbell Landfill. Security fencing will be installed to secure the groundwater treatment system compound and to prevent illegal dumping in the future.

**Justification:**  
 This landfill closure project will comply with the Arizona Department of Environmental Quality (ADEQ) closure/post closure municipal solid waste landfill requirements. Final landfill closure will protect against the release of hazardous components to the environment per ADEQ guidelines

**City-Wide Priorities:** Health and Safety.

**Project ID:** U319  
**Start Date:** 7/16  
**End Date:** 6/19  
**Location:** Ward 1

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	0.0	0.0	225.0	225.0	2,803.0	0.0	0.0	0.0	3,028.0	0.0	3,028.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>225.0</b>	<b>225.0</b>	<b>2,803.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,028.0</b>	<b>0.0</b>	<b>3,028.0</b>

**Silverbell Landfill Water Quality Assurance Treatment Facility**

**Project ID:** U320  
**Start Date:** 7/15  
**End Date:** 6/18  
**Location:** Ward 1

**Description:**

Design and construct groundwater treatment facility and associated infrastructure at the closed Silverbell Landfill. Improvements include extraction wells, treatment plant and conveyance structures.

**Justification:**

This project will meet state regulatory requirements to remove landfill volatile organic compound contamination from the groundwater. In addition, it will protect down gradient wells and the City's Sweetwater Recharge Facility.

**City-Wide Priorities:** Balanced Budget, Health and Safety, and Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	1,800.0	1,500.0	1,650.0	3,150.0	0.0	0.0	0.0	0.0	3,150.0	0.0	4,950.0
<b>Total</b>	<b>1,800.0</b>	<b>1,500.0</b>	<b>1,650.0</b>	<b>3,150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,150.0</b>	<b>0.0</b>	<b>4,950.0</b>

**Tenth Avenue Maintenance Facility**

**Project ID:** Q412  
**Start Date:** 10/13  
**End Date:** 6/19  
**Location:** Ward 6

**Description:**

Design and construct improvements at the Container Maintenance Facility located at South Tenth Avenue. Improvements include demolition, earthwork, infrastructure, drainage, and installation of a new building.

**Justification:**

Safety improvements are necessary to the vacant, former transfer station building. A new facility is needed for the welding, storage, and operations of the container maintenance staff.

**City-Wide Priorities:** Balanced Budget and Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Environmental Services Fund	1,095.0	15.0	0.0	15.0	290.0	0.0	0.0	0.0	305.0	0.0	1,400.0
<b>Total</b>	<b>1,095.0</b>	<b>15.0</b>	<b>0.0</b>	<b>15.0</b>	<b>290.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>305.0</b>	<b>0.0</b>	<b>1,400.0</b>

## Housing and Community Development



**Capital Improvement Program  
Department Statement**

**FY 2017/18 through FY 2021/22**

**Department:** Housing and Community Development

**Five-Year Total:** \$2,950,000

The Housing and Community Development Department's five-year Capital Improvement Program (CIP) is funded with \$3.0 million in federal grants which consists of two projects:

The Community Development Block Grant (CDBG) for Parks and Transportation projects enhance neighborhood recreation areas, addresses traffic and street issues, complies with the Americans with Disabilities Act (ADA), and meets the U.S. Department of Housing and Urban Development Consolidated Annual Action Plan.

The CDBG for Tucson Fire Department ambulances protects the lives of the citizens of Tucson from natural and human caused hazards and acute medical emergencies.

## Housing and Community Development

(\$000)

<b>Community Development Block Grant (CDBG) Master CIP</b>										<b>Project ID:</b> H158 <b>Start Date:</b> Annual <b>End Date:</b> Annual <b>Location:</b> Citywide	
<b>Description:</b> Provide and meet the Consolidated Annual Action Plan's objective of availability and accessibility as submitted to the U.S. Department of Housing and Urban Development with funds allocated through CDBG Public Facilities Neighborhood Enhancements for Parks and/or Transportation.											
<b>Justification:</b> To enhance neighborhood recreation areas, such as parks and walking paths. To address safety and access issues for streets, such as bus shelters, traffic calming, street lighting and compliance with the ADA.											
<b>City-Wide Priorities:</b> Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Community Development Block Grant	0.0	0.0	1,000.0	1,000.0	0.0	0.0	0.0	0.0	1,000.0	0.0	1,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,000.0</b>	<b>1,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,000.0</b>	<b>0.0</b>	<b>1,000.0</b>

<b>Community Development Block Grant (CDBG) Tucson Fire Department Emergency Vehicles</b>										<b>Project ID:</b> H169 <b>Start Date:</b> 7/17 <b>End Date:</b> 6/18 <b>Location:</b> Citywide	
<b>Description:</b> Purchase nine Tucson Fire Department Ambulances with funds allocated through CDBG.											
<b>Justification:</b> To protect the lives of the citizens of Tucson from natural and human caused hazards and acute medical emergencies.											
<b>City-Wide Priorities:</b> Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Community Development Block Grant	0.0	0.0	1,950.0	1,950.0	0.0	0.0	0.0	0.0	1,950.0	0.0	1,950.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,950.0</b>	<b>1,950.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,950.0</b>	<b>0.0</b>	<b>1,950.0</b>

## Parks and Recreation



**Capital Improvement Program  
Department Statement**

**FY 2017/18 through FY 2021/22**

**Department:** Parks and Recreation

**Five-Year Total:** \$8,457,000

The Parks and Recreation Department's Capital Improvement Program (CIP) is based on the Parks, Recreation, and Open Space component of Plan Tucson; the adopted City of Tucson Parks and Recreation Ten-Year Strategic Service Plan; and Mayor and Council direction. The CIP implements Mayor and Council policy by developing facilities that provide for family, youth, and senior adult recreation, while supporting inner-city revitalization, public art, and using arid and semi-arid landscaping wherever possible to conserve water.

The five-year capital program of \$8.5 million is funded from Impact Fees, Capital Improvement Funds, and civic contributions.

## Parks and Recreation

(\$000)

<b>A Mountain Improvement</b> <b>Description:</b> Design and construct Americans with Disabilities Act (ADA) and other improvements to public facilities in Sentinel Peak Park at A Mountain. <b>Justification:</b> A Mountain Park has regional significance, and this project will benefit and address the community's need for open space, passive recreation, and natural/historic resource preservation and interpretation. <b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										<b>Project ID:</b> R990 <b>Start Date:</b> 12/07 <b>End Date:</b> 6/18 <b>Location:</b> Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Obligation Bonds	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.8
General Fund	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
General Fund: Restricted	195.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195.0
Impact Fee Fund	126.7	88.0	80.0	168.0	0.0	0.0	0.0	0.0	168.0	0.0	294.7
<b>Total</b>	<b>437.5</b>	<b>0.0</b>	<b>80.0</b>	<b>168.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>168.0</b>	<b>0.0</b>	<b>605.5</b>

<b>Arroyo Chico Urban Path: Country Club to Treat</b> <b>Description:</b> Design and construct urban greenway improvements along the Arroyo Chico Urban Path including a pedestrian/bicyclist activated street crossing. This project is in conjunction with a Transportation project in the amount of \$600,000 funded by the Regional Transportation Authority (RTA). <b>Justification:</b> Development of these improvements will address the community's need for connectivity and a more complete urban pathway system. <b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Project ID:</b> RP1C <b>Start Date:</b> 7/14 <b>End Date:</b> 6/19 <b>Location:</b> Wards 5 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	144.8	172.7	0.0	172.7	90.0	0.0	0.0	0.0	262.7	0.0	407.5
<b>Total</b>	<b>144.8</b>	<b>172.7</b>	<b>0.0</b>	<b>172.7</b>	<b>90.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>262.7</b>	<b>0.0</b>	<b>407.5</b>

<b>Barrio Santa Rosa-Viejo Ball Court</b>										<b>Project ID:</b> RP23	
<b>Description:</b> Design and construct shade canopy. Resurface basketball court.										<b>Start Date:</b> 1/17	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>Location:</b> Wards 5	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	3.0	84.4	0.0	84.4	0.0	0.0	0.0	0.0	84.4	0.0	87.4
<b>Total</b>	<b>3.0</b>	<b>84.4</b>	<b>0.0</b>	<b>84.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>84.4</b>	<b>0.0</b>	<b>87.4</b>

<b>Cherry Avenue Improvements</b>										<b>Project ID:</b> RM25	
<b>Description:</b> Design and construct improvements at Cherry Avenue Recreation Senior Center.										<b>Start Date:</b> 7/17	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>Location:</b> Wards 5	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	50.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>50.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.0</b>	<b>0.0</b>	<b>50.0</b>

<b>Christopher Columbus Park Expansion</b>										<b>Project ID:</b> RM03	
<b>Description:</b> Design and construct improvements to the north end of Christopher Columbus Park.										<b>Start Date:</b> 3/07	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Civic Contributions Fund	142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142.0
Impact Fee Funds	722.3	25.1	0.0	25.1	0.0	0.0	0.0	0.0	25.1	0.0	747.4
<b>Total</b>	<b>864.3</b>	<b>25.1</b>	<b>0.0</b>	<b>25.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.1</b>	<b>0.0</b>	<b>889.4</b>

<b>Groves Park Playground</b>										<b>Project ID:</b> RM23	
<b>Description:</b> Design and construct a new playground at Groves Park.										<b>Start Date:</b> 7/17	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service.										<b>Location:</b> Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	175.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	200.0
<b>Total</b>	<b>175.0</b>	<b>0.0</b>	<b>25.0</b>	<b>25.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.0</b>	<b>200.0</b>

<b>Himmel Park Improvements</b>										<b>Project ID:</b> RM26	
<b>Description:</b> Design and construct a new playground and shade structure in the west side of the park.										<b>Start Date:</b> 7/17	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>Location:</b> Ward 3	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	0.0	214.0	214.0	0.0	0.0	0.0	0.0	214.0	0.0	214.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>214.0</b>	<b>214.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>214.0</b>	<b>0.0</b>	<b>214.0</b>

<b>Jesse Owens Park</b>										<b>Project ID:</b> RM19	
<b>Description:</b> Develop a park master plan to guide future park expansion needs.										<b>Start Date:</b> 7/16	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 2	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	25.0	964.0	989.0	0.0	0.0	0.0	0.0	989.0	0.0	989.0
<b>Total</b>	<b>0.0</b>	<b>25.0</b>	<b>964.0</b>	<b>989.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>989.0</b>	<b>0.0</b>	<b>989.0</b>

<b>John F. Kennedy Park</b>										<b>Project ID:</b> RM17	
<b>Description:</b> Develop a park master plan to guide future park expansion needs.										<b>Start Date:</b> 7/15	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 1	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	55.1	9.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	0.0	64.1
<b>Total</b>	<b>55.1</b>	<b>9.0</b>	<b>0.0</b>	<b>9.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.0</b>	<b>0.0</b>	<b>64.1</b>

<b>Lakeside Park Improvements</b>										<b>Project ID:</b> RM20	
<b>Description:</b> Design and construct ADA improvements to area surrounding the lake at Lakeside Park.										<b>Start Date:</b> 7/16	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 4	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	125.0	0.0	125.0	0.0	0.0	0.0	0.0	125.0	0.0	125.0
<b>Total</b>	<b>0.0</b>	<b>125.0</b>	<b>0.0</b>	<b>125.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>125.0</b>	<b>0.0</b>	<b>125.0</b>

<b>Limberlost Family Park ADA Improvements and Walking Path</b>										<b>Project ID:</b> RM22	
<b>Description:</b> Design and construct a walking path around the perimeter of Limberlost Family Park including ADA improvements.										<b>Start Date:</b> 7/17	
										<b>End Date:</b> 6/19	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 3	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	152.0	0.0	152.0	25.0	0.0	0.0	0.0	177.0	0.0	177.0
<b>Total</b>	<b>0.0</b>	<b>152.0</b>	<b>0.0</b>	<b>152.0</b>	<b>25.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>177.0</b>	<b>0.0</b>	<b>177.0</b>

<b>Lincoln Park Playground</b>										<b>Project ID:</b> RM21	
<b>Description:</b> Design and construct a new playground at Lincoln Park.										<b>Start Date:</b> 7/16	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 4	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	175.0	25.0	195.0	220.0	0.0	0.0	0.0	0.0	220.0	0.0	395.0
<b>Total</b>	<b>175.0</b>	<b>25.0</b>	<b>195.0</b>	<b>220.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>220.0</b>	<b>0.0</b>	<b>395.0</b>

<b>Menlo Park Exercise Stations</b>										<b>Project ID:</b> RP24	
<b>Description:</b> Develop and construct exercise stations at Menlo Park.										<b>Start Date:</b> 1/17	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 1	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	34.6	10.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	44.6
<b>Total</b>	<b>34.6</b>	<b>10.0</b>	<b>0.0</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.0</b>	<b>0.0</b>	<b>44.6</b>

<b>Purple Heart Park Expansion</b>										<b>Project ID:</b> RM08	
<b>Description:</b> Design and construct additional amenities outlined in the current master plan for the park including two new shade structures over the playground.										<b>Start Date:</b> 7/07	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>Location:</b> Ward 4	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Obligation Bonds	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
General Fund	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.0
Impact Fee Funds	1,494.5	75.0	465.0	540.0	0.0	0.0	0.0	0.0	540.0	0.0	2,034.5
<b>Total</b>	<b>1,669.5</b>	<b>75.0</b>	<b>465.0</b>	<b>540.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>540.0</b>	<b>0.0</b>	<b>2,209.5</b>

**Reid Park Expansion, Phase I**

**Description:**  
Design and construct a grassy open space, a large-event venue, ADA improvements and a new restroom. This project is part of a multi-phase development. Future phases will include capacity-building improvements to Reid Park.

**Justification:**  
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

**City-Wide Priorities:** Customer Service and Health and Safety.

**Project ID:** RM09  
**Start Date:** 7/07  
**End Date:** 6/20  
**Location:** Ward 6

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Obligation Bond Funds	46.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.5
Impact Fee Funds	368.5	600.2	0.0	600.2	239.8	20.3	0.0	0.0	860.3	0.0	1,228.8
<b>Total</b>	<b>415.0</b>	<b>600.2</b>	<b>0.0</b>	<b>600.2</b>	<b>239.8</b>	<b>20.3</b>	<b>0.0</b>	<b>0.0</b>	<b>860.3</b>	<b>0.0</b>	<b>1,275.3</b>

**Reid Park Zoo Health Center**

**Description:**  
Design, permit and construct an addition to the existing veterinary facility at the Reid Park Zoo.

**Justification:**  
This project is necessary as the existing 40-year old facility is extremely dated and is no longer large enough to accommodate the zoo's current collection of animals. The facility is also needed to help meet the standards set by the Association of Zoos and Aquariums.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

**Project ID:** R994  
**Start Date:** 7/14  
**End Date:** 6/19  
**Location:** Ward 6

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Civic Contributions Fund	1,915.0	1,616.2	209.1	1,825.3	0.0	0.0	0.0	0.0	1,825.3	0.0	3,740.3
<b>Total</b>	<b>1,915.0</b>	<b>1,616.2</b>	<b>209.1</b>	<b>1,825.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,825.3</b>	<b>0.0</b>	<b>3,740.3</b>

<b>San Juan Park</b>										<b>Project ID:</b> RM16	
<b>Description:</b> Develop a concept plan and install/construct amenities per the plan.										<b>Start Date:</b> 7/16	
										<b>End Date:</b> 6/18	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system to meet future demands placed on it by new development.										<b>Location:</b> Ward 1	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	31.0	0.0	31.0	0.0	0.0	0.0	0.0	31.0	0.0	31.0
<b>Total</b>	<b>0.0</b>	<b>31.0</b>	<b>0.0</b>	<b>31.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.0</b>	<b>0.0</b>	<b>31.0</b>

<b>Shade Structure Projects</b>										<b>Project ID:</b> R112	
<b>Description:</b> Design and construct new shade structures within the City of Tucson parks system. Funding is contingent on funding from the Tucson Parks Foundation and the Tohono O'odham Nation Proposition 202 Grant Program; budget includes capacity should funding become available.										<b>Start Date:</b> Annual	
										<b>End Date:</b> Annual	
<b>Justification:</b> This project is needed to construct new and replace aged shade structures within the parks system.										<b>Location:</b> Citywide	
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Civic Contributions Fund	0.0	0.0	25.0	25.0	25.0	25.0	25.0	25.0	125.0	0.0	125.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>125.0</b>	<b>0.0</b>	<b>125.0</b>

<b>Silverlake Park</b>										<b>Project ID:</b> R119	
<b>Description:</b> Design and install new light system on the multipurpose field.										<b>Start Date:</b> 7/17	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service.										<b>Location:</b> Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Central District Impact Fees (035)	0.0	0.0	292.5	292.5	0.0	0.0	0.0	0.0	292.5	0.0	292.5
<b>Total:</b>	<b>0.0</b>	<b>0.0</b>	<b>292.5</b>	<b>292.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>292.5</b>	<b>0.0</b>	<b>292.5</b>

<b>South Central Community Park/ Robert A. Price, Sr. Park, Phase I</b>										<b>Project ID:</b> RM11	
<b>Description:</b> Plan, design, and construct the initial development of a new community park along the Valencia Road Corridor. This project is part of a multiphase development. Future phases are contingent upon future bonds or other revenues. This park has been renamed Robert A. Price, Sr. Park.										<b>Start Date:</b> 7/07	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/19	
<b>City-Wide Priorities:</b> Customer Service.										<b>Location:</b> Wards 4 and 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	26.0	222.8	141.9	364.7	269.5	0.0	0.0	0.0	634.2	0.0	660.2
<b>Total</b>	<b>26.0</b>	<b>222.8</b>	<b>141.9</b>	<b>364.7</b>	<b>269.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>634.2</b>	<b>0.0</b>	<b>660.2</b>

<b>Sunnyside Airport Wash Multi-Use Path</b>										<b>Project ID:</b> RP25	
<b>Description:</b> Design and construct a multi-use path along Airport Wash.										<b>Start Date:</b> 1/17	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service.										<b>Location:</b> Wards 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	13.5	100.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	113.5
<b>Total</b>	<b>13.5</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>113.5</b>

<b>Valencia Corridor Land Acquisition, Phase I</b>										<b>Project ID:</b> RM13	
<b>Description:</b> Acquire land identified in the Valencia Corridor Parks and Recreation Facilities Plan. This project is part of a multi-phase development. Future acquisitions are contingent upon future revenues.										<b>Start Date:</b> 7/07	
<b>Justification:</b> This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.										<b>End Date:</b> 6/22	
<b>City-Wide Priorities:</b> Customer Service.										<b>Location:</b> Wards 4 and 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	2.1	50.0	130.0	180.0	300.0	400.0	400.0	409.5	1,689.5	0.0	1,691.6
<b>Total</b>	<b>2.1</b>	<b>50.0</b>	<b>130.0</b>	<b>180.0</b>	<b>300.0</b>	<b>400.0</b>	<b>400.0</b>	<b>409.5</b>	<b>1,689.5</b>	<b>0.0</b>	<b>1,691.6</b>

## Public Safety



## Capital Improvement Program Department Statement

**FY 2017/18 through FY 2021/22**

**Department:** Public Safety

**Five-Year Total:** \$150,000,000

Public Safety's CIP of \$150.0 million funds improvements for public safety vehicles, capital needs, protective gear, and facilities.

**Road Improvement.** The Public Safety Improvement Program of \$150 million would be used for vehicles, equipment, and facilities for the Tucson Fire and Police departments. Nearly \$55 million is scheduled for public safety vehicles, including police patrol cars, fire trucks, ambulances, police motorcycles, and other specialized and nonspecialized public safety vehicles. A new south side police substation, police academy training track, a new southeast side police annex, and five fire station rebuilds are included investments in the facilities category. Firefighter protective gear, police-worn body cameras, laptops, ballistic vests, and paramedic cardiac monitors are part of the more than \$20 million pledged for public safety equipment. This program is funded by half-cent, five-year sales tax increase, approved by voters on May 16, 2017.

## Public Safety

(\$000)

<b>Tucson Fire Improvements</b> <b>Description:</b> Purchase vehicles, equipment, and upgrade facilities for the Tucson Fire department in accordance with Proposition 101. <b>Justification:</b> This project was approved by voters on May 16, 2017 to provide the emergency responders with the vehicles, equipment, and facility improvements that they need to serve the community. <b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets, Public Safety.										<b>Project ID:</b> F101 <b>Start Date:</b> 7/17 <b>End Date:</b> 6/22 <b>Location:</b> City Wide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Public Safety Improvement Fund	0.0	0.0	17,100.0	17,100.0	14,475.0	14,475.0	14,475.0	14,475.0	75,000.0	0.0	75,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>17,100.0</b>	<b>17,100.0</b>	<b>14,475.0</b>	<b>14,475.0</b>	<b>14,475.0</b>	<b>14,475.0</b>	<b>75,000.0</b>	<b>0.0</b>	<b>75,000.0</b>

<b>Tucson Police Improvements</b> <b>Description:</b> Purchase vehicles, equipment, and upgrade facilities for the Tucson Police department in accordance with Proposition 101. <b>Justification:</b> This project was approved by voters on May 16, 2017 to provide the emergency responders with the vehicles, equipment, and facility improvements that they need to serve the community. <b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets, Public Safety.										<b>Project ID:</b> P101 <b>Start Date:</b> 7/17 <b>End Date:</b> 6/22 <b>Location:</b> City Wide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Public Safety Improvement Fund	0.0	0.0	12,900.0	12,900.0	15,525.0	15,525.0	15,525.0	15,525.0	75,000.0	0.0	75,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>12,900.0</b>	<b>12,900.0</b>	<b>15,525.0</b>	<b>15,525.0</b>	<b>15,525.0</b>	<b>15,525.0</b>	<b>75,000.0</b>	<b>0.0</b>	<b>75,000.0</b>

# Transportation



## Capital Improvement Program Department Statement

FY 2017/18 through FY 2021/22

**Department:** Transportation

**Five-Year Total:** \$612,699,500

Transportation's CIP of \$612.7 million funds improvements for a multi-modal transportation system and infrastructure designed to attract industry and protect neighborhoods. The program is divided into four areas: Public Transit, Streets, Street Lighting, and Traffic Signals.

**Road Improvement.** The Road Improvement Program of \$100.0 million for road repairs will be managed by a citizens oversight commission, which also will oversee the road work for the half-cent sales tax program. Streets will be selected for repair based on a comprehensive engineering analysis of the condition of city streets. This program is funded by half-cent, five-year sales tax increase, approved by voters on May 16, 2017.

**Public Transit.** The Public Transit Program of \$66.3 million replaces and upgrades Sun Tran and Sun Van fleet vehicles and constructs facilities to support transit operations, including Park-and-Ride facilities, Americans with Disabilities Act (ADA) access improvements, security improvements, and the Regional Seamless Fare system.

**Streets.** The Streets Program of \$445.2 million will upgrade the arterial, collector, and residential transportation network, including streets, sidewalks, and bikeways, with the primary goal of maintaining an arterial street system that permits a safe and unimpeded flow of traffic. The program is funded primarily with Regional Transportation Authority (RTA) funds and general obligation street bonds. Other funding sources include capital agreement funds, federal highway grants, impact fees, Pima County bonds, and Highway User Revenue Fund (HURF) revenues.

**Street Lighting.** The Street Lighting Program of \$0.2 million will convert the current lighting with light emitting diode (LED) technology which will save energy usage by 31% to 51% and install new solar lighting in areas of the City. This project will be funded by Pima County Bonds.

**Traffic Signals.** The Traffic Signals Program of \$1.0 million constructs traffic signals, improvements to the Intelligent Transportation System, pedestrian crossing improvements, signal upgrades, and the Regional Transportation Data Network (RTDN). Projects are primarily funded with federal grants and RTA funds.

## Transportation

(\$000)

<b>22nd Street: I-10 to Tucson Boulevard</b>										<b>Project ID:</b> SR5A	
<b>Description:</b> Design and construct improvements along this segment of the 22nd Street corridor. Improvements will include widening 22nd Street to a six-lane, divided roadway with full urban amenities.										<b>Start Date:</b> 7/07	
<b>Justification:</b> This project was approved by Mayor and Council on December 5, 2006 for RTA funding and will enhance the carrying capacity of the corridor. Pima Association of Governments (PAG) 5-Year Regional Transportation Improvement Program (TIP) 131.00.										<b>End Date:</b> 6/22	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Wards 1 and 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	9,000.0	0.0	0.0	0.0	500.0	4,605.9	4,605.9	0.0	9,711.8	0.0	18,711.8
Federal Grant Funds	0.0	0.0	0.0	0.0	1,915.0	0.0	0.0	0.0	1,915.0	0.0	1,915.0
General Fund: Restricted	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
Highway User Revenue Fund	29.2	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	34.2
Impact Fee Funds	1,686.4	0.0	3,000.0	3,000.0	2,979.9	0.0	0.0	0.0	5,979.9	0.0	7,666.3
Regional Transportation Authority Fund	46,778.4	0.0	0.0	0.0	0.0	14,400.0	14,400.0	14,400.0	43,200.0	0.0	89,978.4
<b>Total</b>	<b>57,498.7</b>	<b>5.0</b>	<b>3,000.0</b>	<b>3,005.0</b>	<b>5,394.9</b>	<b>19,005.9</b>	<b>19,005.9</b>	<b>14,400.0</b>	<b>60,811.7</b>	<b>0.0</b>	<b>118,310.4</b>

<b>Fourth/Congress: Toole Bike Pedestrian Improvements</b>										<b>Project ID:</b> S211	
<b>Description:</b> Enhance the roadway elements within the 4th Avenue/Congress/Toole area to improve pedestrian and bicycle safety and motorist way finding.										<b>Start Date:</b> 7/12	
<b>Justification:</b> Federal safety funds have been allocated through the PAG TIP process. PAG 5-Year TIP 3.12.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										<b>Location:</b> Ward 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	244.0	146.5	146.5	293.0	0.0	0.0	0.0	0.0	293.0	0.0	537.0
Highway User Revenue Fund	14.1	9.3	9.3	18.6	0.0	0.0	0.0	0.0	18.6	0.0	32.7
<b>Total</b>	<b>258.1</b>	<b>155.8</b>	<b>155.8</b>	<b>311.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>311.6</b>	<b>0.0</b>	<b>569.7</b>

<b>ADA Transition Plan</b>										Project ID: S112	
<b>Description:</b> Develop a plan that categorizes all city right-of-ways and prioritizes needed ADA improvements.										Start Date: 7/12	
<b>Justification:</b> This plan is required by federal law. PAG 5-Year Regional TIP 27.11.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	1,519.6	0.0	775.0	775.0	0.0	0.0	0.0	0.0	775.0	0.0	2,294.6
Highway User Revenue Fund	92.1	0.0	47.0	47.0	0.0	0.0	0.0	0.0	47.0	0.0	139.1
<b>Total</b>	<b>1,611.7</b>	<b>0.0</b>	<b>822.0</b>	<b>822.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>822.0</b>	<b>0.0</b>	<b>2,433.7</b>

<b>Arcadia and Timrod Bike Boulevards</b>										Project ID: SA12	
<b>Description:</b> Install two bike High Intensity Activated Crosswalks (HAWKS), upgrade five pedestrian HAWKS, install 30 speed humps and chicanes.										Start Date: 9/16	
<b>Justification:</b> Improving safety for pedestrians and bicyclists.										End Date: 12/20	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	0.0	0.0	37.2	37.2	0.0	0.0	0.0	0.0	37.2	0.0	37.2
Highway User Revenue Fund	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	1.9	0.0	1.9
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>39.1</b>	<b>39.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>39.1</b>	<b>0.0</b>	<b>39.1</b>

<b>Arroyo Chico Greenway</b>										<b>Project ID:</b> SP09	
<b>Description:</b> Construct the portion of the Arroyo Chico Greenway between Reid Park and Robison Elementary School.										<b>Start Date:</b> 7/13	
<b>Justification:</b> This project was approved for RTA funds in December 2012. PAG 5-Year Regional TIP 76.12.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										<b>Location:</b> Wards 5 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Regional Transportation Authority Fund	222.8	501.7	0.0	501.7	0.0	0.0	0.0	0.0	501.7	0.0	724.5
<b>Total</b>	<b>222.8</b>	<b>501.7</b>	<b>0.0</b>	<b>501.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>501.7</b>	<b>0.0</b>	<b>724.5</b>

<b>Arroyo Chico, Multi-Use Path (MUP), Tucson Boulevard</b>										<b>Project ID:</b> SP15	
<b>Description:</b> Plan for extension of Arroyo Chico west from Campbell Avenue into downtown.										<b>Start Date:</b> 1/15	
<b>Justification:</b> Federal Transportation Alternative Program funds have been allocated for this planning effort.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Wards 5 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	6.2	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	8.2
Federal Grant Funds	102.3	4.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	106.3
<b>Total</b>	<b>108.5</b>	<b>4.0</b>	<b>2.0</b>	<b>6.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.0</b>	<b>0.0</b>	<b>114.5</b>

<b>Associated Transit Improvements</b>										<b>Project ID:</b> M190	
<b>Description:</b> Design and construct various transit improvements that are designed to enhance public transportation services.										<b>Start Date:</b> Annual	
										<b>End Date:</b> Annual	
<b>Justification:</b> Eligible improvements include bus shelters, bus benches, street lights, pedestrian access and walkways, bicycle access including bicycle storage and bicycle racks for buses, signage or enhances access for persons with disabilities to public transportation.										<b>Location:</b> Citywide	
<b>City-Wide Priorities:</b> Customer Service and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	755.2	177.0	932.2	177.0	177.0	177.0	177.0	1,640.2	0.0	1,640.2
<b>Total</b>	<b>0.0</b>	<b>755.2</b>	<b>177.0</b>	<b>932.2</b>	<b>177.0</b>	<b>177.0</b>	<b>177.0</b>	<b>177.0</b>	<b>1,640.2</b>	<b>0.0</b>	<b>1,640.2</b>

<b>Broadway: Camino Seco to Houghton</b>										<b>Project ID:</b> SR10	
<b>Description:</b> Widen Broadway to a four-lane, divided roadway with bike lanes and sidewalks.										<b>Start Date:</b> 7/14	
										<b>End Date:</b> 6/19	
<b>Justification:</b> This project was approved as part of the May 2006 RTA Plan and will improve the traffic carrying capacity for Broadway Boulevard. PAG 5-Year Regional TIP 36.00.										<b>Location:</b> Ward 2	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund: PAG	0.0	0.0	2,662.0	2,662.0	0.0	0.0	0.0	0.0	2,662.0	0.0	2,662.0
Highway User Revenue Fund	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Regional Transportation Authority Fund	2,248.2	0.0	1,437.0	1,437.0	3,750.0	0.0	0.0	0.0	5,187.0	0.0	7,435.2
Impact Fee Funds	810.0	0.0	1,500.0	1,500.0	0.0	0.0	0.0	0.0	1,500.0	0.0	2,310.0
<b>Total</b>	<b>3,058.4</b>	<b>0.0</b>	<b>5,599.0</b>	<b>5,599.0</b>	<b>3,750.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9,349.0</b>	<b>0.0</b>	<b>12,407.4</b>

<b>Broadway: Euclid to Country Club</b>										Project ID: SR3A	
<b>Description:</b> Design and construct a corridor project that will widen Broadway to six lanes, plus bus lanes.										Start Date: 1/07	
<b>Justification:</b> This project was approved by Mayor and Council on January 23, 2007 for RTA funding, and will enhance the carrying capacity of the corridor. PAG 5-Year Regional TIP 22.05.										End Date: 6/21	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Wards 5 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	10,000.0	10,000.0	10,000.0	3,652.8	0.0	0.0	23,652.8	0.0	23,652.8
Highway User Revenue Fund	24.2	0.0	5.0	5.0	5.0	0.0	0.0	0.0	10.0	0.0	34.2
Highway User Revenue Fund: In-Lieu Fees	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3
Impact Fee Funds	1,502.0	0.0	1,500.0	1,500.0	0.0	0.0	0.0	0.0	1,500.0	0.0	3,002.0
Regional Transportation Authority Fund	31,865.0	0.0	15,332.0	15,332.0	6,755.0	15,000.0	4,550.0	0.0	41,637.0	0.0	73,502.0
<b>Total</b>	<b>33,435.5</b>	<b>0.0</b>	<b>26,837.0</b>	<b>26,837.0</b>	<b>16,760.0</b>	<b>18,652.8</b>	<b>4,550.0</b>	<b>0.0</b>	<b>66,799.8</b>	<b>0.0</b>	<b>100,235.3</b>

<b>Campbell and 9th HAWK</b>										Project ID: SH27	
<b>Description:</b> Design and construct HAWK signal at the intersection.										Start Date: 7/13	
<b>Justification:</b> Improve pedestrian safety.										End Date: 12/17	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	48.6	15.0	0.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0	63.6
Regional Transportation Authority Fund	177.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.4
<b>Total</b>	<b>226.0</b>	<b>15.0</b>	<b>0.0</b>	<b>15.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15.0</b>	<b>0.0</b>	<b>241.0</b>

<b>Campbell Avenue Revitalization</b>										Project ID: S237	
<b>Description:</b> Design and construct streetscape improvements along Campbell Avenue between Fort Lowell and Grant Roads.										Start Date: 7/06	
<b>Justification:</b> These improvements will promote the revitalization of this commercial corridor.										End Date: 12/18	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	1,093.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,093.5
Highway User Revenue Fund	149.7	1.5	17.0	18.5	0.0	0.0	0.0	0.0	18.5	0.0	168.2
Impact Fee Funds	166.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166.7
Regional Transportation Authority Fund	(77.3)	80.0	0.0	80.0	0.0	0.0	0.0	0.0	80.0	0.0	2.7
<b>Total</b>	<b>1,332.6</b>	<b>81.5</b>	<b>17.0</b>	<b>98.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>98.5</b>	<b>0.0</b>	<b>1,431.1</b>

<b>Compressed Natural Gas Fueling System (Northwest Expansion)</b>										Project ID: M931	
<b>Description:</b> Design and construct a Compressed Natural Gas (CNG) fueling facility at Sun Tran's northwest maintenance facility.										Start Date: 7/15	
<b>Justification:</b> To maximize operational flexibility and meet an eight hour window for fueling CNG buses due to the number of CNG fleet that will be replaced in fiscal year 2018 and to increase the number of CNG fleet as additional replacement and expansion buses are acquired.										End Date: 6/19	
<b>City-Wide Priorities:</b> Customer Service.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	44.2	4,000.0	0.0	4,000.0	4,000.0	0.0	0.0	0.0	8,000.0	0.0	8,044.2
<b>Total</b>	<b>44.2</b>	<b>4,000.0</b>	<b>0.0</b>	<b>4,000.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8,000.0</b>	<b>0.0</b>	<b>8,044.2</b>

<b>Columbus: Corridor Pedestrian Path</b>										Project ID: S189	
<b>Description:</b> Design and construct an off-street pedestrian path along Columbus Boulevard between Timrod Street and 22nd Street.										Start Date: 7/09	
<b>Justification:</b> A federal Transportation Enhancement Grant was awarded for this project improving pedestrian safety. Funds from RTA are being used for local match and for expenditures not covered by the grant. PAG 5-Year Regional TIP 105.08.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	308.5	15.0	0.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0	323.5
Highway User Revenue Fund	18.1	20.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	38.1
Regional Transportation Authority Fund	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2
<b>Total</b>	<b>353.8</b>	<b>35.0</b>	<b>0.0</b>	<b>35.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>35.0</b>	<b>0.0</b>	<b>388.8</b>

<b>Congress Grande Intersection Improvements</b>										Project ID: SA22	
<b>Description:</b> Reconstruct intersection to replace outdated traffic signals and to improve traffic flow.										Start Date: 7/17	
<b>Justification:</b> Improve the traffic congestion at this intersection.										End Date: 1/21	
<b>City-Wide Priorities:</b> Customer Service and Health and Safety.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	0.0	40.0	40.0	35.0	100.0	400.0	0.0	575.0	0.0	575.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>40.0</b>	<b>40.0</b>	<b>35.0</b>	<b>100.0</b>	<b>400.0</b>	<b>0.0</b>	<b>575.0</b>	<b>0.0</b>	<b>575.0</b>

<b>Copper Street Bike Boulevard</b>										Project ID: SP10	
<b>Description:</b> Construct bike boulevard improvements along the Copper Street alignment, paralleling the Grant Road Corridor. This will provide a low-stress bicycling alternative to Grant Road.										Start Date: 7/13	
<b>Justification:</b> This project was approved for RTA funds in December 2012. PAG 5-Year Regional TIP 77.12.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Regional Transportation Authority Fund	551.1	30.0	358.0	388.0	0.0	0.0	0.0	0.0	388.0	0.0	939.1
<b>Total</b>	<b>551.8</b>	<b>30.0</b>	<b>358.0</b>	<b>388.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>388.0</b>	<b>0.0</b>	<b>939.8</b>

<b>Country Glenn Neighborhood Improvements</b>										Project ID: S161	
<b>Description:</b> Install seven solar lights, traffic mitigation (speed humps and chicanes), sidewalk improvements and landscaping.										Start Date: 7/17	
<b>Justification:</b> Country Glenn neighborhood enhancements.										End Date: 6/17	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	141.3	141.3	0.0	0.0	0.0	0.0	141.3	0.0	141.3
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>141.3</b>	<b>141.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>141.3</b>	<b>0.0</b>	<b>141.3</b>

<b>Craycroft and Fort Lowell Park HAWK</b>										Project ID: SH28	
<b>Description:</b> Design and construct HAWK signal at the intersection.										Start Date: 7/13	
<b>Justification:</b> Improve pedestrian safety.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 2	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	257.1	20.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	277.1
Regional Transportation Authority Fund	132.4	20.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	152.4
<b>Total</b>	<b>389.5</b>	<b>40.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>429.5</b>

<b>Downtown Links Barraza-Aviation</b>										Project ID: S30N	
<b>Description:</b> Design and construct a four-lane roadway from 6th to Broadway Boulevard east of the railroad tracks. The local match requirement for RTA funding has been satisfied by prior expenditures on other segments of the Barraza-Aviation Parkway.										Start Date: 7/06	
<b>Justification:</b> These improvements will support downtown revitalization, improve traffic flow, and support the Barraza-Aviation Parkway. PAG TIP 81.04.										End Date: 6/20	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Wards 1 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	2,153.2	0.0	2,300.0	2,300.0	0.0	0.0	0.0	0.0	2,300.0	0.0	4,453.2
Federal Grant Funds	0.0	0.0	7,100.0	7,100.0	0.0	0.0	0.0	0.0	7,100.0	0.0	7,100.0
General Fund	197.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197.2
Highway User Revenue Fund	311.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	311.0
Regional Transportation Authority Fund	48,642.0	0.0	7,361.0	7,361.0	17,700.0	11,752.0	0.0	0.0	36,813.0	0.0	85,455.0
<b>Total</b>	<b>51,303.4</b>	<b>0.0</b>	<b>16,761.0</b>	<b>16,761.0</b>	<b>17,700.0</b>	<b>11,752.0</b>	<b>0.0</b>	<b>0.0</b>	<b>46,213.0</b>	<b>0.0</b>	<b>97,516.4</b>

<b>El Paso and Southwestern Greenway</b>										<b>Project ID:</b> SP01	
<b>Description:</b>										<b>Start Date:</b> 7/08	
Design and construct a multi-use recreational greenway along the former El Paso and Southwestern Railroad tracks. Improvements will include a dual path system, landscaping, pedestrian level lighting, and enhanced crossings at major streets.										<b>End Date:</b> 6/18	
<b>Justification:</b>										<b>Location:</b> Wards 1 and 5	
This project is intended to promote the use of alternative modes of transportation. PAG 5-Year Regional TIP 72.07 and 83.07.											
<b>City-Wide Priorities:</b> Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	9.2	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	14.2
Regional Transportation Authority Fund	1,906.3	47.8	217.0	264.8	0.0	0.0	0.0	0.0	264.8	0.0	2,171.1
<b>Total</b>	<b>1,915.5</b>	<b>52.8</b>	<b>217.0</b>	<b>269.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>269.8</b>	<b>0.0</b>	<b>2,185.3</b>

<b>Elvira Solar Street Lighting</b>										<b>Project ID:</b> S231	
<b>Description:</b>										<b>Start Date:</b> 7/17	
Install eight solar lights on Arcadia Drive between Santa Clara and 12th Avenue.										<b>End Date:</b> 6/18	
<b>Justification:</b>										<b>Location:</b> Ward 5	
Neighborhood revitalization.											
<b>City-Wide Priorities:</b> Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	45.0	45.0	0.0	0.0	0.0	0.0	45.0	0.0	45.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>45.0</b>	<b>45.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>45.0</b>	<b>0.0</b>	<b>45.0</b>

<b>First Avenue: Grant to River</b>										Project ID: SR11	
<b>Description:</b> Widen First Avenue to a six-lane, divided roadway with bike lanes and sidewalks.										Start Date: 7/17	
<b>Justification:</b> This project was approved as part of the May 2006 RTA Plan and will improve the traffic carrying capacity for First Avenue. PAG 5-Year Regional TIP 81.06.										End Date: 6/22	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	3,000.0	3,000.0	0.0	7,000.0	0.0	0.0	10,000.0	0.0	10,000.0
Regional Transportation Authority Fund	0.0	0.0	0.0	0.0	0.0	6,000.0	7,000.0	17,500.0	30,500.0	0.0	30,500.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>3,000.0</b>	<b>3,000.0</b>	<b>0.0</b>	<b>13,000.0</b>	<b>7,000.0</b>	<b>17,500.0</b>	<b>40,500.0</b>	<b>0.0</b>	<b>40,500.0</b>

<b>Five Points Pedestrian Improvements</b>										Project ID: S355	
<b>Description:</b> Design pedestrian and streetscape improvements in the vicinity of the Stone Avenue/6th Avenue/18th Street intersection. (Construction for this project will appear in project S196 - Five Points Transportation Enhancement.)										Start Date: 7/09	
<b>Justification:</b> A federal Transportation Enhancement Grant was awarded for this project, which will improve access to alternate modes of transportation.										End Date: 6/18	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										Location: Wards 5 and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	(89.0)	276.7	0.0	276.7	0.0	0.0	0.0	0.0	276.7	0.0	187.7
Federal Grant Funds	340.8	279.0	0.0	279.0	0.0	0.0	0.0	0.0	279.0	0.0	619.8
Highway User Revenue Fund	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4
Regional Transportation Authority Fund	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
<b>Total</b>	<b>291.2</b>	<b>555.7</b>	<b>0.0</b>	<b>555.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>555.7</b>	<b>0.0</b>	<b>846.9</b>

<b>Glenn Street Transportation Enhancement</b>										Project ID: S01H	
<b>Description:</b>										Start Date: 7/10	
Design and construct pedestrian improvements along Glenn Street from Columbus Boulevard to Country Club Road.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 3	
A federal Transportation Enhancement Grant was received to provide a major portion of the funding for these improvements. RTA funding is being used as a local match and for expenditures not covered by the grant.											
City-Wide Priorities: Health and Safety and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	100.1	0.0	858.0	858.0	0.0	0.0	0.0	0.0	858.0	0.0	958.1
Highway User Revenue Fund	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Regional Transportation Authority Fund	85.2	0.0	45.0	45.0	0.0	0.0	0.0	0.0	45.0	0.0	130.2
<b>Total</b>	<b>185.6</b>	<b>0.0</b>	<b>903.0</b>	<b>903.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>903.0</b>	<b>0.0</b>	<b>1,088.6</b>

<b>Grant and Sahuara HAWK</b>										Project ID: SH29	
<b>Description:</b>										Start Date: 7/13	
Design and construct HAWK signal at the intersection.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 3	
Improve pedestrian safety.											
City-Wide Priorities: Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	97.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	122.0
Regional Transportation Authority Fund	86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0
<b>Total</b>	<b>183.0</b>	<b>25.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.0</b>	<b>208.0</b>

**Grant: Oracle to Swan**

**Description:**  
Design and construct the improvements along Grant Road from Oracle to Swan Road. Improvements will include widening Grant Road to a six-lane divided cross section with full urban amenities and will include an alignment approved by the Mayor and Council.

**Justification:**  
This project was approved by Mayor and Council on January 23, 2007 for RTA funding; it will improve the corridor's traffic-carrying capacity. PAG 5-Year Regional TIP 55.06.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

**Project ID:** SR2A  
**Start Date:** 1/07  
**End Date:** 6/22  
**Location:** Wards 2, 3, and 6

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	5,981.5	0.0	0.0	0.0	0.0	12,563.0	20,500.0	0.0	33,063.0	0.0	39,044.5
Highway User Revenue Fund	78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.0
Highway User Revenue Fund: In-Lieu Fees	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Impact Fee Funds	1,594.5	0.0	3,000.0	3,000.0	2,000.0	0.0	0.0	0.0	5,000.0	0.0	6,594.5
Regional Transportation Authority Fund	70,336.5	0.0	14,600.0	14,600.0	2,000.0	10,000.0	20,000.0	318.0	46,918.0	0.0	117,254.5
<b>Total</b>	<b>77,990.6</b>	<b>0.0</b>	<b>17,600.0</b>	<b>17,600.0</b>	<b>4,000.0</b>	<b>22,563.0</b>	<b>40,500.0</b>	<b>318.0</b>	<b>84,981.0</b>	<b>0.0</b>	<b>162,971.6</b>

**Houghton Road: Tanque Verde to Fifth Street**

**Description:**  
Study alternative roadway improvements for RTA's Houghton Roadway Corridor Plan.

**Justification:**  
Investigate alternative roadway cross-sections that will be compatible with RTA's Houghton Road Corridor Plan.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

**Project ID:** SA23  
**Start Date:** 1/17  
**End Date:** 6/18  
**Location:** Ward 2

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	500.0	50.0	550.0	0.0	0.0	0.0	0.0	550.0	0.0	550.0
<b>Total</b>	<b>0.0</b>	<b>500.0</b>	<b>50.0</b>	<b>550.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>550.0</b>	<b>0.0</b>	<b>550.0</b>

<b>Houghton Road: 22nd to Irvington</b>										Project ID: SR1J	
<b>Description:</b>										Start Date: 7/15	
Design and construct the widening of Houghton Road to Irvington, to a six-lane divided arterial in accordance with the RTA plans. Completion of construction is contingent upon additional RTA funding.										End Date: 6/20	
<b>Justification:</b>										Location: Ward 4	
Increase the traffic capacity to reduce roadway congestion and improve safety on Houghton Road.											
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	114.7	114.7	458.4	344.3	0.0	0.0	917.4	0.0	917.4
Impact Fee Funds	0.6	500.0	0.0	500.0	0.0	0.0	0.0	0.0	500.0	0.0	500.6
Regional Transportation Authority fund	1,500.2	0.0	1,500.0	1,500.0	0.0	0.0	0.0	0.0	1,500.0	0.0	3,000.2
<b>Total</b>	<b>1,500.8</b>	<b>500.0</b>	<b>1,614.7</b>	<b>2,114.7</b>	<b>458.4</b>	<b>344.3</b>	<b>0.0</b>	<b>0.0</b>	<b>2,917.4</b>	<b>0.0</b>	<b>4,418.2</b>

<b>Houghton Road: Bridge Replacement</b>										Project ID: SR1D	
<b>Description:</b>										Start Date: 7/09	
Design and construct the replacement of a widened Houghton bridge over the Union Pacific Railroad tracks.										End Date: 6/22	
<b>Justification:</b>										Location: Ward 4	
This project will increase the traffic carrying capacity of the bridge and reduce roadway congestion, which will improve motorist safety on this stretch of Houghton Road.											
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	1,950.0	0.0	114.7	114.7	458.4	344.3	0.0	0.0	917.4	0.0	2,867.4
Federal Grant Funds	6,281.2	0.0	2,225.0	2,225.0	0.0	0.0	0.0	0.0	2,225.0	0.0	8,506.2
Highway User Revenue Fund	10.2	10.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	20.2
Regional Transportation Authority Fund	974.8	0.0	600.0	600.0	600.0	450.0	9,000.0	9,000.0	19,650.0	0.0	20,624.8
<b>Total</b>	<b>9,216.2</b>	<b>10.0</b>	<b>2,939.7</b>	<b>2,949.7</b>	<b>1,058.4</b>	<b>794.3</b>	<b>9,000.0</b>	<b>9,000.0</b>	<b>22,802.4</b>	<b>0.0</b>	<b>32,018.6</b>

<b>Houghton Road: Broadway to 22nd Street</b>										<b>Project ID:</b> SR1F	
<b>Description:</b> Design and construct improvements to Houghton Road between Broadway Boulevard and 22nd Street, in accordance with the RTA plan.										<b>Start Date:</b> 7/12	
<b>Justification:</b> Funding has been identified through the RTA.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 2	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	77.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9
General Fund: Restricted	105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.0
Highway User Revenue Fund	16.7	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	21.7
Impact Fee Funds	3,557.4	200.0	0.0	200.0	0.0	0.0	0.0	0.0	200.0	0.0	3,757.4
Regional Transportation Authority Fund	31,504.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31,504.5
<b>Total</b>	<b>35,261.5</b>	<b>205.0</b>	<b>0.0</b>	<b>205.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>205.0</b>	<b>0.0</b>	<b>35,466.5</b>

<b>Houghton Road: I-10 to Andrada Road</b>										<b>Project ID:</b> SR17	
<b>Description:</b> Design and construct spot capacity improvements along Houghton Road south of I-10.										<b>Start Date:</b> 7/16	
<b>Justification:</b> Spot improvements will be identified and addressed in collaboration with Pima County Department of Transportation.										<b>End Date:</b> 6/20	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Impact Fee Funds	0.0	60.0	0.0	60.0	300.0	300.0	0.0	0.0	660.0	0.0	660.0
<b>Total</b>	<b>0.0</b>	<b>60.0</b>	<b>0.0</b>	<b>60.0</b>	<b>300.0</b>	<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>660.0</b>	<b>0.0</b>	<b>660.0</b>

<b>Houghton Road: Irvington to Valencia</b>										Project ID: SR1E	
<b>Description:</b> Widen Houghton Road to a six-lane, divided arterial in accordance with the RTA plan.										Start Date: 7/12	
<b>Justification:</b> Funding has been identified through the RTA. PAG 5-Year Regional TIP 17.12.										End Date: 6/20	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	7,500.0	0.0	826.8	826.8	458.3	344.3	0.0	0.0	1,629.4	0.0	9,129.4
General Fund: Restricted Revenues	50.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2
Highway User Revenue Fund	944.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	944.9
Highway User Revenue Fund: In-Lieu Fees	2,007.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,007.8
Impact Fee Funds	1,397.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,397.4
Regional Transportation Authority Fund	9,054.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9,054.6
<b>Total</b>	<b>20,954.9</b>	<b>0.0</b>	<b>826.8</b>	<b>826.8</b>	<b>458.3</b>	<b>344.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1,629.4</b>	<b>0.0</b>	<b>22,584.3</b>

<b>Houghton Road: Union Pacific Railroad to I-10</b>										Project ID: SR1G	
<b>Description:</b> Widen Houghton Road to a six-lane, divided arterial in accordance with the RTA plan.										Start Date: 7/11	
<b>Justification:</b> Funding has been identified through the RTA. PAG 5-Year Regional TIP 108.09.										End Date: 6/21	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	720.0	0.0	1,031.7	1,031.7	566.7	426.0	0.0	0.0	2,024.4	0.0	2,744.4
Federal Grant Funds	689.8	0.0	915.0	915.0	0.0	0.0	0.0	0.0	915.0	0.0	1,604.8
Highway User Revenue Fund	7.3	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	12.3
Impact Fee Funds	0.0	515.0	0.0	515.0	0.0	0.0	0.0	0.0	515.0	0.0	515.0
Regional Transportation Authority Fund	1,328.4	0.0	600.0	600.0	0.0	0.0	28.4	0.0	628.4	0.0	1,956.8
<b>Total</b>	<b>2,745.5</b>	<b>520.0</b>	<b>2,546.7</b>	<b>3,066.7</b>	<b>566.7</b>	<b>426.0</b>	<b>28.4</b>	<b>0.0</b>	<b>4,087.8</b>	<b>0.0</b>	<b>6,833.3</b>

<b>Houghton Road: Valencia to Mary Ann Cleveland Way</b>										Project ID: SR1H	
<b>Description:</b> Design and construct capacity improvements to Valencia Road in accordance with the RTA Plan.										Start Date: 7/15	
<b>Justification:</b> Funding has been identified through the RTA.										End Date: 6/20	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	114.7	114.7	458.4	344.3	0.0	0.0	917.4	0.0	917.4
Regional Transportation Authority Fund	0.0	0.0	700.0	700.0	0.0	0.0	0.0	0.0	700.0	0.0	700.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>814.7</b>	<b>814.7</b>	<b>458.4</b>	<b>344.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1,617.4</b>	<b>0.0</b>	<b>1,617.4</b>

<b>Kolb Road: Irvington to Valencia</b>										Project ID: SR15	
<b>Description:</b> Widen Kolb Road to six lanes between Irvington Road and Valencia Road.										Start Date: 1/15	
<b>Justification:</b> Federal Highway Association (FHWA) funds have been allocated to this project through the PAG TIP. PAG 5-Year Regional TIP 83.04.										End Date: 6/19	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	0.0	0.0	114.0	0.0	0.0	0.0	114.0	0.0	114.0
Federal Grant Funds	256.1	55.0	0.0	55.0	2,000.0	0.0	0.0	0.0	2,055.0	0.0	2,311.1
Highway User Revenue Fund	9.4	13.0	0.0	13.0	0.0	0.0	0.0	0.0	13.0	0.0	22.4
<b>Total</b>	<b>265.5</b>	<b>68.0</b>	<b>0.0</b>	<b>68.0</b>	<b>2,114.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,182.0</b>	<b>0.0</b>	<b>2,447.5</b>

<b>Liberty Avenue: Bicycle Boulevard</b>										Project ID: SP04	
<b>Description:</b> Design and build bicycle boulevard improvements along the Liberty Avenue alignment.										Start Date: 7/10	
<b>Justification:</b> Bicycle boulevards enhance safety and convenience for commuter bicyclists and encourage the use of alternate modes of transportation.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	207.4	0.0	1,032.0	1,032.0	0.0	0.0	0.0	0.0	1,032.0	0.0	1,239.4
Highway User Revenue Fund	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
Regional Transportation Authority Fund	104.6	0.0	29.0	29.0	0.0	0.0	0.0	0.0	29.0	0.0	133.6
<b>Total</b>	<b>321.7</b>	<b>0.0</b>	<b>1,061.0</b>	<b>1,061.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,061.0</b>	<b>0.0</b>	<b>1,382.7</b>

<b>Mary Ann Cleveland Way - Atterbury Wash Way</b>										Project ID: SA24	
<b>Description:</b> Construct a roundabout at Mary Ann Cleveland Way and Atterbury Wash Way to alleviate traffic congestion.										Start Date: 1/17	
<b>Justification:</b> Alleviate traffic congestion.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	0.0	0.0	500.0	500.0	0.0	0.0	0.0	0.0	500.0	0.0	500.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>500.0</b>

<b>Midvale Park Oak Tree Drive Lighting</b>										Project ID: S232	
<b>Description:</b> Design and construct 14 street lights along Oak Tree Drive between Chardonnay and Valencia Road.										Start Date: 9/16	
<b>Justification:</b> Midvale neighborhood street lighting improvements.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	107.1	107.1	0.0	0.0	0.0	0.0	107.1	0.0	107.1
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>107.1</b>	<b>107.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>107.1</b>	<b>0.0</b>	<b>107.1</b>

<b>Park Avenue: Transportation Enhancements</b>										Project ID: S194	
<b>Description:</b> Construct various pedestrian and streetscape improvements along Park Avenue between Glenn Street and Speedway Boulevard.										Start Date: 7/09	
<b>Justification:</b> A federal Transportation Enhancement Grant was awarded for this project, which will enhance pedestrian safety and enjoyment.										End Date: 6/19	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	874.4	0.0	7.0	7.0	7.0	0.0	0.0	0.0	14.0	0.0	888.4
Highway User Revenue Fund	70.5	16.2	0.5	16.7	0.5	0.0	0.0	0.0	17.2	0.0	87.7
Regional Transportation Authority Fund	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6
<b>Total</b>	<b>970.5</b>	<b>16.2</b>	<b>7.5</b>	<b>23.7</b>	<b>7.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.2</b>	<b>0.0</b>	<b>1,001.7</b>

<b>Pima Street: Pedestrian Pathway Enhancements</b>										Project ID: S01J	
<b>Description:</b> Design and construct pedestrian improvements along Pima Street between Alvernon Way and Columbus Boulevard.										Start Date: 7/10	
<b>Justification:</b> A federal Transportation Enhancement Grant was awarded for these improvements, which will improve pedestrian safety and enjoyment.										End Date: 6/19	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Ward 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	503.0	0.0	18.0	18.0	9.5	0.0	0.0	0.0	27.5	0.0	530.5
Highway User Revenue Fund	92.5	0.0	1.1	1.1	0.6	0.0	0.0	0.0	1.7	0.0	94.2
<b>Total</b>	<b>595.5</b>	<b>0.0</b>	<b>19.1</b>	<b>19.1</b>	<b>10.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.2</b>	<b>0.0</b>	<b>624.7</b>

<b>Regional Transportation Data Network (RTDN)</b>										Project ID: S701	
<b>Description:</b> Plan, design, and construct a regionally integrated data and communications network to be known as the RTDN. This project will determine the new infrastructure needed to improve region-wide data exchange.										Start Date: 7/06	
<b>Justification:</b> Establishment of the RTDN will facilitate the exchange of data and information between jurisdictions, improve traffic flow, and reduce future utility costs.										End Date: 6/21	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Citywide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	2,994.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,994.3
Highway User Revenue Fund	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5
Regional Transportation Authority Fund	250.0	0.0	250.0	250.0	250.0	250.0	250.0	0.0	1,000.0	0.0	1,250.0
<b>Total</b>	<b>3,286.8</b>	<b>0.0</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>1,000.0</b>	<b>0.0</b>	<b>4,286.8</b>

<b>Rio Vista Safe Routes to School</b>										<b>Project ID:</b> SP06	
<b>Description:</b> Design and construct pedestrian improvements near Rio Vista Elementary School including a shared-use path on Limberlost Road. Completion of project is contingent upon additional FHWA funding.										<b>Start Date:</b> 7/12	
<b>Justification:</b> A federal Safe Routes to School Grant has been received to fund these improvements, which will enhance pedestrian safety. PAG 5-Year Regional TIP 19.11.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 3	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	146.5	0.0	230.0	230.0	0.0	0.0	0.0	0.0	230.0	0.0	376.5
Highway User Revenue Fund	0.4	0.0	14.0	14.0	0.0	0.0	0.0	0.0	14.0	0.0	14.4
<b>Total</b>	<b>146.9</b>	<b>0.0</b>	<b>244.0</b>	<b>244.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>244.0</b>	<b>0.0</b>	<b>390.9</b>

<b>Road Improvements: Proposition 101</b>										<b>Project ID:</b> S101	
<b>Description:</b> Repair streets based on a comprehensive engineering analysis of the condition of city streets.										<b>Start Date:</b> 7/17	
<b>Justification:</b> This project was approved by voters on May 16, 2017 to provide road repairs and maintenance.										<b>End Date:</b> 6/22	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City Wide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Street Improvements Fund	0.0	0.0	20,000.0	20,000.0	20,000.0	20,000.0	20,000.0	20,000.0	100,000.0	0.0	100,000.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>20,000.0</b>	<b>20,000.0</b>	<b>20,000.0</b>	<b>20,000.0</b>	<b>20,000.0</b>	<b>20,000.0</b>	<b>100,000.0</b>	<b>0.0</b>	<b>100,000.0</b>

**Robinson Safe Routes to School**

**Description:**  
Construct sidewalks and safe pedestrian crossings in the vicinity of Robison Elementary School to encourage walking and biking activities. Completion of project is contingent upon obtaining additional funding.

**Justification:**  
The City received a federal Safe Routes to School Grant for these improvements.

**City-Wide Priorities:** Health and Safety.

**Project ID:** SP08  
**Start Date:** 7/13  
**End Date:** 6/18  
**Location:** Wards 5 and 6

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	48.0	0.0	237.5	237.5	0.0	0.0	0.0	0.0	237.5	0.0	285.5
Highway User Revenue Fund	5.0	0.0	14.5	14.5	0.0	0.0	0.0	0.0	14.5	0.0	19.5
	<b>53.0</b>	<b>0.0</b>	<b>252.0</b>	<b>252.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>252.0</b>	<b>0.0</b>	<b>305.0</b>

**Safe Routes to School Program**

**Description:**  
Develop a program that encourages and educates school-age children to walk and bike to school.

**Justification:**  
Funding has been allocated by the FHWA for this program.

**City-Wide Priorities:** Health and Safety.

**Project ID:** SP13  
**Start Date:** 7/14  
**End Date:** 6/18  
**Location:** Citywide

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Federal Grant Funds	743.4	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	768.4
Highway User Revenue Fund	61.9	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	63.9
<b>Total</b>	<b>805.3</b>	<b>0.0</b>	<b>27.0</b>	<b>27.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>27.0</b>	<b>0.0</b>	<b>832.3</b>

<b>Santa Cruz Southwest Neighborhood Association Park Improvements</b>										Project ID: S162	
<b>Description:</b> Enhance Santa Cruz Southwest Neighborhood Association Cottonwood Lane Park to include walking pathways, installation of seven solar lights, speed humps, chicanes and landscaping.										Start Date: 9/17	
<b>Justification:</b> Funding has been allocated by Pima County Bonds.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	0.0	0.0	280.0	280.0	0.0	0.0	0.0	0.0	280.0	0.0	280.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>280.0</b>	<b>280.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>280.0</b>	<b>0.0</b>	<b>280.0</b>

<b>Security for Transit</b>										Project ID: M023	
<b>Description:</b> Purchase security equipment for new replacement buses, including security cameras, Automatic Vehicle Locator (AVL) systems, radio equipment and digital video recorder (DVR) upgrades.										Start Date: Annual	
<b>Justification:</b> In order to comply with Federal Transit Administration (FTA) terms and conditions, the City must spend at least 1% of Urbanized Area formula funds on security projects for the transit system.										End Date: Annual	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Citywide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	177.0	177.0	177.0	177.0	177.0	176.5	884.5	0.0	884.5
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>177.0</b>	<b>177.0</b>	<b>177.0</b>	<b>177.0</b>	<b>177.0</b>	<b>176.5</b>	<b>884.5</b>	<b>0.0</b>	<b>884.5</b>

<b>Silverbell Road: Grant to Ina</b>										<b>Project ID:</b> SR6A	
<b>Description:</b>										<b>Start Date:</b> 7/08	
Design and construct improvements to this segment of Silverbell Road by widening the street to a four-lane divided roadway from Grant Road to Ina Road.										<b>End Date:</b> 6/21	
<b>Justification:</b>										<b>Location:</b> City and County	
This project was approved as part of the May 2006 RTA Plan and will improve the traffic carrying capacity of Silverbell Road. PAG 5-Year Regional TIP 56.06.											
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	2,119.2	1,382.0	13,840.0	15,222.0	2,000.0	260.0	0.0	0.0	17,482.0	0.0	19,601.2
Highway User Revenue Fund	2.1	10.0	5.0	15.0	5.0	5.0	5.0	0.0	30.0	0.0	32.1
Impact Fee Funds	2,593.9	0.0	2,000.0	2,000.0	200.0	0.0	0.0	0.0	2,200.0	0.0	4,793.9
Regional Transportation Authority Fund	19,435.5	30.0	0.0	30.0	0.0	0.0	0.0	0.0	30.0	0.0	19,465.5
<b>Total</b>	<b>24,150.7</b>	<b>1,422.0</b>	<b>15,845.0</b>	<b>17,267.0</b>	<b>2,205.0</b>	<b>265.0</b>	<b>5.0</b>	<b>0.0</b>	<b>19,742.0</b>	<b>0.0</b>	<b>43,892.7</b>

<b>Stone Avenue: Drachman and Speedway Improvements</b>										<b>Project ID:</b> S14W	
<b>Description:</b>										<b>Start Date:</b> 7/00	
Design and construct gateway and intersection improvements along Stone Avenue from Drachman to Speedway Boulevard.										<b>End Date:</b> 6/19	
<b>Justification:</b>										<b>Location:</b> Wards 1, 3, and 6	
This improvement will enhance this northern gateway into downtown.											
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Capital Agreement Fund	4,061.6	0.0	11.0	11.0	11.0	0.0	0.0	0.0	22.0	0.0	4,083.6
Highway User Revenue Fund	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Regional Transportation Authority Fund	111.9	393.0	0.0	393.0	0.0	0.0	0.0	0.0	393.0	0.0	504.9
<b>Total</b>	<b>4,173.6</b>	<b>393.0</b>	<b>11.0</b>	<b>404.0</b>	<b>11.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>415.0</b>	<b>0.0</b>	<b>4,588.6</b>

**Street Improvements: Proposition 409**

**Description:**

Continue to restore, repair, and resurface streets inside Tucson City limits with the \$100 million bond program. Street resurfacing is in its third year of a 5-year plan and approximately 85% of bond funds will be allocated to major streets and 15% will be allocated to neighborhood streets. All work will be competitively bid out to private sector contractors.

**Justification:**

Approximately 130 miles of major streets and 114 miles of neighborhood streets will be resurfaced as part of the bond program.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

**Project ID:** S409  
**Start Date:** 7/13  
**End Date:** 6/18  
**Location:** Citywide

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Obligation Bonds	71,136.6	0.0	27,600.0	27,600.0	0.0	0.0	0.0	0.0	27,600.0	0.0	98,736.6
Highway User Revenue Fund	3,375.9	65.0	0.0	65.0	0.0	0.0	0.0	0.0	65.0	0.0	3,440.9
Regional Transportation Authority Fund	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
<b>Total</b>	<b>74,515.9</b>	<b>65.0</b>	<b>27,600.0</b>	<b>27,665.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>27,665.0</b>	<b>0.0</b>	<b>102,180.9</b>

**Sun Tran Replacement Buses**

**Description:**

Purchase replacement vehicles for fixed-route fleet for Sun Tran. The vehicles being replaced will have exceeded FTA guidelines for replacement. It takes 12 to 24 months to build heavy duty transit buses. Funds are programmed in the year of expenditure.

**Justification:**

To continue to provide the required service levels buses are replaced after exceeding their useful service life. Failure to replace buses that have outlived their useful service life results in increased maintenance and operational costs.

**City-Wide Priorities:** Customer Service.

**Project ID:** M150  
**Start Date:** Annual  
**End Date:** Annual  
**Location:** Citywide

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	11,696.0	10,907.0	8,280.0	8,532.0	39,415.0	0.0	39,415.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11,696.0</b>	<b>10,907.0</b>	<b>8,280.0</b>	<b>8,532.0</b>	<b>39,415.0</b>	<b>0.0</b>	<b>39,415.0</b>

**Sun Tran South Park Electrical System Repair**

**Project ID:** M506  
**Start Date:** 7/19  
**End Date:** 6/20  
**Location:** Ward 5

**Description:**

Repair the electrical system at Sun Tran's South Park maintenance facility. Maintaining the transit system in a State of Good Repair (SGR) is essential for delivering safe and reliable service to thousands of riders and is a collaborative effort between the Federal Transit Administration (FTA) and local governments.

**Justification:**

Transit maintenance and administrative facilities require continuous necessary repairs and improvement to prolong asset live.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	0.0	500.0	0.0	0.0	500.0	0.0	500.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>500.0</b>

**Sun Tran South Park Facility Bus Wash Replacement**

**Project ID:** M952  
**Start Date:** 7/18  
**End Date:** 6/19  
**Location:** Ward 5

**Description:**

Design and construct a new automated bus wash at Sun Tran's South Park maintenance facility. Maintaining the transit system in a SGR is essential for delivering safe and reliable service to thousands of daily riders and is a collaborative effort between the FTA and local governments.

**Justification:**

Existing bus wash at the Sun Tran's South Park maintenance facility was built in 1995 and is nearing the end of its useful life. This project focuses on the replacement of the existing bus wash.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	450.0	0.0	0.0	0.0	450.0	0.0	450.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>450.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>450.0</b>	<b>0.0</b>	<b>450.0</b>

**Sun Van Fuel Tank Replacements**

**Project ID:** M507  
**Start Date:** 7/20  
**End Date:** 6/21  
**Location:** Ward 5

**Description:**

The above ground fuel tanks located at the Sun Van facility were installed in 1997. They are located in a storm water drain field, which is causing the supports to rust, leading to potential failure of the supports. This project, in conjunction with the Sun Van revenue vehicle parking lot expansion, will allow for replacement of the tanks and relocation closer to the fueling station.

**Justification:**

Transit maintenance and administrative facilities require continuous necessary repair and improvements to prolong asset life. This project replaces the above ground fuel tanks at the Sun Van facility.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	0.0	0.0	300.0	0.0	300.0	0.0	300.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>300.0</b>

**Sun Van Replacement Buses**

**Project ID:** M140  
**Start Date:** Annual  
**End Date:** Annual  
**Location:** Citywide

**Description:**

Purchase replacement vehicles for paratransit fleet for Sun Van. The vehicles being replaced will have exceeded FTA guidelines for replacement.

**Justification:**

To maximize operational efficiency, vehicles are scheduled for replacement at the end of their useful service life. Useful life has been defined as five years or 150,000 miles.

**City-Wide Priorities:** Customer Service.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	2,154.2	2,220.5	3,831.3	2,988.0	11,194.0	0.0	11,194.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,154.2</b>	<b>2,220.5</b>	<b>3,831.3</b>	<b>2,988.0</b>	<b>11,194.0</b>	<b>0.0</b>	<b>11,194.0</b>

**Sun Van Revenue Vehicle Parking Lot Expansion**

**Description:**

Expanding the revenue vehicle parking lot at Sun Van is necessary to support the expanding vehicle fleet, as well as relocation of the fuel tanks, project M507. Maintaining the transit system in a SGR is essential for delivering safe and reliable service to thousands of riders and is a collaborative effort between the FTA and local governments. Under the regulations of FTA Map 21 legislation, FTA recipients are required to maintain transit assets.

**Project ID:** M508  
**Start Date:** 7/20  
**End Date:** 6/21  
**Location:** Ward 5

**Justification:**

Transit maintenance and administrative facilities require continuous necessary repairs and improvements to prolong asset life. This project is for the expansion of the revenue vehicle parking lot at Sun Van.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	0.0	0.0	0.0	0.0	0.0	0.0	700.0	0.0	700.0	0.0	700.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>700.0</b>	<b>0.0</b>	<b>700.0</b>	<b>0.0</b>	<b>700.0</b>

**Transit Facility Improvements (South Park Storm Water Yard)**

**Description:**

Design and construct a storm water conveyance system to capture storm water flows entering the bus storage yard from adjacent east and south properties with additional catch basins throughout the south yard. Repave the yard with new asphalt.

**Project ID:** M951  
**Start Date:** 7/15  
**End Date:** 6/18  
**Location:** Ward 5

**Justification:**

Significantly reduce surface flow of storm water through the storage yard and eliminate ponding which has degraded the existing asphalt pavement.

**City-Wide Priorities:** Maintenance and Renovation of Existing City Assets.

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Mass Transit Funds	800.3	3,199.7	0.0	3,199.7	0.0	0.0	0.0	0.0	3,199.7	0.0	4,000.0
<b>Total</b>	<b>800.3</b>	<b>3,199.7</b>	<b>0.0</b>	<b>3,199.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,199.7</b>	<b>0.0</b>	<b>4,000.0</b>

<b>Treat Avenue Bike Boulevard</b>										Project ID: SP12	
<b>Description:</b> Construct bike boulevard improvements along the Treat Avenue alignment providing a low stress north/south bicycle route through midtown.										Start Date: 7/13	
<b>Justification:</b> This project was approved for RTA funds in December 2012.										End Date: 6/18	
<b>City-Wide Priorities:</b> Health and Safety.										Location: Wards 3, 5, and 6	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Regional Transportation Authority Fund	432.3	100.0	115.0	215.0	0.0	0.0	0.0	0.0	215.0	0.0	647.3
<b>Total</b>	<b>435.9</b>	<b>100.0</b>	<b>115.0</b>	<b>215.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>215.0</b>	<b>0.0</b>	<b>650.9</b>

<b>Valencia: Alvernon to Kolb</b>										Project ID: SR13	
<b>Description:</b> Widen Valencia to a six-lane, divided roadway with bike lanes and sidewalks.										Start Date: 7/13	
<b>Justification:</b> This project was approved as part of the May 2006 RTA Plan.										End Date: 6/19	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										Location: Wards 4 and 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Fund	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.5
Highway User Revenue Fund	12.2	10.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	22.2
Impact Fees Fund	4,505.7	1,000.0	0.0	1,000.0	0.0	0.0	0.0	0.0	1,000.0	0.0	5,505.7
Regional Transportation Authority Fund	0.0	0.0	4,000.0	4,000.0	6,000.0	0.0	0.0	0.0	10,000.0	0.0	10,000.0
<b>Total</b>	<b>4,569.4</b>	<b>1,010.0</b>	<b>4,000.0</b>	<b>5,010.0</b>	<b>6,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11,010.0</b>	<b>0.0</b>	<b>15,579.4</b>

**Valencia: Kolb to Houghton**

**Description:**

Widen Valencia to a six-lane, divided roadway with bike lanes and sidewalks.

**Justification:**

This project was approved as part of the May 2006 RTA Plan. PAG 5-Year Regional TIP 59.06.

**City-Wide Priorities:** Health and Safety and Maintenance and Renovation of Existing City Assets.

**Project ID:** SR14  
**Start Date:** 7/15  
**End Date:** 6/22  
**Location:** Ward 4

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Highway User Revenue Fund	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Impact Fee Funds	0.0	0.0	5,000.0	5,000.0	2,000.0	2,000.0	0.0	0.0	9,000.0	0.0	9,000.0
Regional Transportation Authority Fund	1,595.0	0.0	3,340.0	3,340.0	5,440.0	250.0	8,300.0	7,900.0	25,230.0	0.0	26,825.0
<b>Total</b>	<b>1,605.0</b>	<b>0.0</b>	<b>8,340.0</b>	<b>8,340.0</b>	<b>7,440.0</b>	<b>2,250.0</b>	<b>8,300.0</b>	<b>7,900.0</b>	<b>34,230.0</b>	<b>0.0</b>	<b>35,835.0</b>

Tucson Water



## Capital Improvement Program Department Statement

**FY 2017/18 through FY 2021/22**

**Department:** Tucson Water

**Five-Year Total:** \$302,325,000

Tucson Water's Capital Improvement Program (CIP) is a cornerstone in a long-term water supply plan for the community. Major areas of focus include advanced metering; Regional Transportation Authority (RTA) and other roadway agency work relocating water facilities; Santa Cruz Wellfield and Aerospace/Sonoran Corridor construction; control system upgrades; reservoir rehabilitation; recycled water, and necessary infrastructure replacement.

The Tucson Water CIP is divided into two program groups: Potable Water System and Reclaimed Water System. Improvements to both water systems will ensure that:

- potable and reclaimed customers are provided high quality water
- the water supply is reliable
- the safe yield and assured water supply requirements of the Arizona State Groundwater Management Act are met

The five-year capital program of \$302.3 million includes improvements to both the potable and reclaimed water systems. The program will be funded with a combination of water revenues, water system revenue obligation funds, and is contingent on the utility's ability to obtain debt financing.

**Potable Water System** – These projects total \$290.8 million over the next five years. The focus of the potable system program is construction of projects needed to secure, store, recover, and deliver long term renewable water resources for the community. Projects include:

- \$0.3M for Academy reservoir rehabilitation;
- \$27.2M for advanced metering;
- \$21.0M for Avra Valley Storage and Recovery project;
- \$7.8M for Clearwell reservoir rehabilitation;
- \$26.8M for critical communications infrastructure upgrades;
- \$15.0M for distribution system main replacement;
- \$1.7M for Escalante reservoir rehabilitation;
- \$85.6M for other infrastructure, including cathodic protection of critical transmission mains, arc flash compliance measures, and valve vaults;
- \$4.7M for physical security measures;
- \$7.1M for recycled water projects;
- \$21.1M for restoration and tank rehabilitation;
- \$26.7M for Santa Cruz well field upgrades and new facilities for the Sonoran Corridor;
- \$4.6M for Tucson Airport Remediation Project (TARP); and
- \$41.2M for water line relocations in roadway projects.

**Reclaimed Water System** - These projects total \$11.5 million over the next five years. The proposed CIP reclaimed projects include:

- \$0.9M for Control Panels: Reclaimed System;
- \$0.3M for Developer-Financed Reclaimed Systems;
- \$1.7M for Effluent Pump Station Expansion;
- \$1.3M for Filtration Modifications at Reclaimed Plant;
- \$2.9M for Houghton Road Reclaimed Reservoir;
- \$0.3M for New Metered Services;
- \$2.7M for Reclaimed Booster Expansion; and
- \$1.4M for System Enhancements: Reclaimed.

## Tucson Water

(\$000)

<b>Academy Reservoir</b> <b>Description:</b> Design and construct a new reservoir liner at the Police and Fire Academy Reservoir. A billing meter, backflow assembly, and fire pump will also be installed.  <b>Justification:</b> Modifications and new operational controls will be added to the well PV-001A so that operators can turn the well on and off remotely.  <b>City-Wide Priorities:</b> Balanced Budget and Maintenance and Renovation of Existing City Assets.										<b>Project ID:</b> W091 <b>Start Date:</b> 07/14 <b>End Date:</b> 6/18 <b>Location:</b> Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	411.2	300.0	0.0	300.0	0.0	0.0	0.0	0.0	300.0	0.0	711.2
Tucson Water Operating Funds	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2
<b>Total</b>	<b>466.4</b>	<b>300.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>766.4</b>

<b>Advanced Metering Infrastructure</b> <b>Description:</b> Set up network software, cost of the repeaters, and collectors needed to read meters.  <b>Justification:</b> This project will increase meter reading efficiency and reduce energy/fuel consumption. It can provide the customers with timely data to assist them with managing their water use and can be used to notify customers that they may have a leak.  <b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										<b>Project ID:</b> W138 <b>Start Date:</b> 07/15 <b>End Date:</b> 6/21 <b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	200.0	657.0	857.0	896.0	948.0	351.0	0.0	3,052.0	0.0	3,052.0
Tucson Water Operating Funds	139.0	0.0	193.0	193.0	0.0	0.0	0.0	0.0	193.0	0.0	332.0
<b>Total</b>	<b>139.0</b>	<b>200.0</b>	<b>850.0</b>	<b>1,050.0</b>	<b>896.0</b>	<b>948.0</b>	<b>351.0</b>	<b>0.0</b>	<b>3,245.0</b>	<b>0.0</b>	<b>3,384.0</b>

<b>Arc Flash Service Upgrades</b>										<b>Project ID:</b> W668	
<b>Description:</b> Purchase and install on-site power interrupt switches, new label plates warning of potential arc flash hazard, and new protective equipment for personnel visiting water sites.										<b>Start Date:</b> 7/06	
<b>Justification:</b> Occupational Safety and Health Administration (OSHA) regulation National Fire Protection Association (NFPA)-70E on electrical safety, requires all non-occupied water department sites containing electrical breakers or switchgear to be brought into compliance.										<b>End Date:</b> 6/22	
<b>City-Wide Priorities:</b> Health and Safety.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	612.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	612.0
Tucson Water Operating Funds	1,348.3	0.0	1,134.0	1,134.0	1,123.0	1,156.0	117.0	60.0	3,590.0	0.0	4,938.3
<b>Total</b>	<b>1,960.3</b>	<b>0.0</b>	<b>1,134.0</b>	<b>1,134.0</b>	<b>1,123.0</b>	<b>1,156.0</b>	<b>117.0</b>	<b>60.0</b>	<b>3,590.0</b>	<b>0.0</b>	<b>5,550.3</b>

<b>Billing System</b>										<b>Project ID:</b> W270	
<b>Description:</b> Evaluate the options available for a billing system for a utility the size of Tucson Water and begin the process of building a business case for evaluating, planning, implementation and training of upgrading or purchasing a new billing system.										<b>Start Date:</b> 7/19	
<b>Justification:</b> A new or upgraded billing system is imperative to ensure the utility's ability to account for and bill customers accurately.										<b>End Date:</b> 6/23	
<b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	578.0	5,044.0	12,494.0	18,116.0	0.0	18,116.0
Tucson Water Operating Funds	0.0	0.0	0.0	0.0	0.0	0.0	3,136.0	5,394.0	8,530.0	0.0	8,530.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>578.0</b>	<b>8,180.0</b>	<b>17,888.0</b>	<b>26,646.0</b>	<b>0.0</b>	<b>26,646.0</b>

<b>Calle Santa Cruz Transmission Main Replacement</b>										Project ID: W151	
<b>Description:</b> Design and construct two miles of 24-inch transmission main replacement on Calle Santa Cruz between Valencia and Irvington. The main will be in City of Tucson property B1 water service area.										Start Date: 10/14	
<b>Justification:</b> This replacement maintains existing water pressure in emergency situations.										End Date: 6/19	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	55.8	0.0	49.0	49.0	3,117.0	0.0	0.0	0.0	3,166.0	0.0	3,221.8
Tucson Water Operating Funds	82.6	0.0	14.0	14.0	0.0	0.0	0.0	0.0	14.0	0.0	96.6
<b>Total</b>	<b>138.4</b>	<b>0.0</b>	<b>63.0</b>	<b>63.0</b>	<b>3,117.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,180.0</b>	<b>0.0</b>	<b>3,318.4</b>

<b>Cathodic Protection (CP) for Critical Pipelines</b>										Project ID: W320	
<b>Description:</b> Design and construct CP and corrosion monitoring facilities. These critical pipelines range from 16 to 96-inches in diameter and are located throughout Tucson Water's service area.										Start Date: Annual	
<b>Justification:</b> This project is necessary to prevent corrosion related failures of the City of Tucson's largest and most critical potable water pipelines.										End Date: Annual	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	680.0	680.0	674.0	694.0	701.0	716.0	3,465.0	3,000.0	6,465.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>680.0</b>	<b>680.0</b>	<b>674.0</b>	<b>694.0</b>	<b>701.0</b>	<b>716.0</b>	<b>3,465.0</b>	<b>3,000.0</b>	<b>6,465.0</b>

<b>Central Arizona Project (CAP) Basin Collector Pipelines</b>										Project ID: W160	
<b>Description:</b> Install 1/2 mile of 24-inch collection main on Old Nogales Highway Right-of-Way or CAP Basin land.										Start Date: 7/21	
<b>Justification:</b> This pipeline will collect well water from the CAP Basin wells near Old Nogales Highway and Pima Mine Road.										End Date: 6/23	
<b>City-Wide Priorities:</b> Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	60.0	0.0	60.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60.0</b>	<b>60.0</b>	<b>0.0</b>	<b>60.0</b>

<b>Central Arizona Project (CAP) Basin Well 24" Transmission Main, Old Nogales Hwy</b>										Project ID: W161	
<b>Description:</b> Design and install 1.75 miles of 24-inch transmission main on Old Nogales Highway Right-of-Way or purchased/leased easement.										Start Date: 7/20	
<b>Justification:</b> This main will convey water from the CAP Basin wells along Old Nogales Highway starting 0.75 miles north of Pima Mine Road to Lumber Street.										End Date: 6/23	
<b>City-Wide Priorities:</b> Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	118.0	42.0	160.0	0.0	160.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>118.0</b>	<b>42.0</b>	<b>160.0</b>	<b>0.0</b>	<b>160.0</b>

<b>Central Avra Valley Storage and Recovery Project (CAVSARP) Well Pump Improvements</b>										Project ID: W553	
<b>Description:</b> Upgrade existing line shafts on Central Avra Valley Storage and Recovery Project (CAVSARP) wells, upgrade well pumps, change product lubrication systems, and re-equip wells with new materials.										Start Date: Annual	
										End Date: Annual	
										Location: County	
<b>Justification:</b> Evaluating and upgrading wells will reduce maintenance and improve operating efficiency and reliability.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	340.0	340.0	337.0	347.0	351.0	358.0	1,733.0	1,500.0	3,233.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>340.0</b>	<b>340.0</b>	<b>337.0</b>	<b>347.0</b>	<b>351.0</b>	<b>358.0</b>	<b>1,733.0</b>	<b>1,500.0</b>	<b>3,233.0</b>

<b>Clearwell Reservoir Rehabilitation</b>										Project ID: W056	
<b>Description:</b> Design and construct new interior shear walls, roof and interior lining. The work will be performed one cell at a time to minimize disruption to water system operation.										Start Date: 7/14	
										End Date: 6/19	
										Location: County	
<b>Justification:</b> Review of the reservoir revealed a need for structural improvements to comply with seismic code requirements; and the liner and roof have reached the end of their service life and are in need of replacement.											
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	8,169.3	0.0	6,860.0	6,860.0	135.0	0.0	0.0	0.0	6,995.0	0.0	15,164.3
Tucson Water Operating Funds	995.7	0.0	851.0	851.0	0.0	0.0	0.0	0.0	851.0	0.0	1,846.7
<b>Total</b>	<b>9,165.0</b>	<b>0.0</b>	<b>7,711.0</b>	<b>7,711.0</b>	<b>135.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7,846.0</b>	<b>0.0</b>	<b>17,011.0</b>

<b>Control Panel Replacements: Potable</b>										<b>Project ID:</b> W045	
<b>Description:</b> Install new control panels and electronic equipment at existing production facilities such as wells, boosters, reservoirs, and pressure reducing valve facilities.										<b>Start Date:</b> Annual	
<b>Justification:</b> The existing control panels are approaching the end of their service life and need to be replaced to ensure system reliability.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	113.0	113.0	112.0	116.0	117.0	119.0	577.0	500.0	1,077.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>112.0</b>	<b>116.0</b>	<b>117.0</b>	<b>119.0</b>	<b>577.0</b>	<b>500.0</b>	<b>1,077.0</b>

<b>Control Panels: Reclaimed System</b>										<b>Project ID:</b> W959	
<b>Description:</b> Design and construct controls for reclaimed water facilities, and modify existing controls at booster stations, reservoirs, and storage facilities.										<b>Start Date:</b> Annual	
<b>Justification:</b> These controls are needed to electronically monitor and transmit pressure, flow rates, and other site condition data to the reclaimed water treatment plant where it is used to make operational decisions.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	170.0	170.0	168.0	173.0	175.0	179.0	865.0	750.0	1,615.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>170.0</b>	<b>170.0</b>	<b>168.0</b>	<b>173.0</b>	<b>175.0</b>	<b>179.0</b>	<b>865.0</b>	<b>750.0</b>	<b>1,615.0</b>

<b>Craycroft Addition Subdivision, Phase I</b>										Project ID: W793	
<b>Description:</b>										Start Date: 7/14	
Design and install 11,900 feet of 6-inch pipe in the Craycroft Addition Subdivision Phase I, bordered by 23rd Street, 30th Street, Van Buren and Sahuara Avenue. This project will also relocate 46 water meters from alleys to the street and replace 14 existing fire hydrants.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main breaks according to records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	60.0	0.0	351.0	351.0	0.0	0.0	0.0	0.0	351.0	0.0	411.0
Tucson Water Operating Funds	82.1	0.0	103.0	103.0	0.0	0.0	0.0	0.0	103.0	0.0	185.1
<b>Total</b>	<b>142.1</b>	<b>0.0</b>	<b>454.0</b>	<b>454.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>454.0</b>	<b>0.0</b>	<b>596.1</b>

<b>Danforth E-F Booster Station Upgrade</b>										Project ID: W178	
<b>Description:</b>										Start Date: 7/16	
Increase of station capacity by about 2,000 gpm to provide additional capacity and redundancy and to help meet Vail wheeling demands.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 4	
Additional booster capacity is required to insure reliable distribution of direct recovered CAP water.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	5.1	40.0	0.0	40.0	0.0	0.0	0.0	0.0	40.0	0.0	45.1
Tucson Water Operating Funds	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
<b>Total</b>	<b>0.7</b>	<b>40.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>45.8</b>

<b>Developer-Financed Reclaimed Systems</b>										<b>Project ID:</b> W130	
<b>Description:</b> Review plans and inspect developer constructed reclaimed water systems. These systems are donated to the City of Tucson upon completion. Associated costs are recovered from developer fees.										<b>Start Date:</b> Annual	
<b>Justification:</b> The review and inspection ensure compliance with Tucson Water's standards.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Economic Development.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	68.0	68.0	67.0	69.0	70.0	72.0	346.0	300.0	646.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>68.0</b>	<b>68.0</b>	<b>67.0</b>	<b>69.0</b>	<b>70.0</b>	<b>72.0</b>	<b>346.0</b>	<b>300.0</b>	<b>646.0</b>

<b>Devine Reservoir Parking Lot</b>										<b>Project ID:</b> W266	
<b>Description:</b> Expand the parking area for personnel at the Devine Reservoir.										<b>Start Date:</b> 7/16	
<b>Justification:</b> An additional 25 to 30 parking spaces are needed for Tucson Water vehicles and equipment.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Balanced Budget and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	65.0	0.0	65.0	0.0	0.0	0.0	0.0	65.0	0.0	65.0
<b>Total</b>	<b>0.0</b>	<b>65.0</b>	<b>0.0</b>	<b>65.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>65.0</b>	<b>0.0</b>	<b>65.0</b>

<b>Diamond Bell Production Facilities Improvements</b>										Project ID: W264	
<b>Description:</b> Upgrade boosters and controls to bring the system up to Tucson Water standards and provide better response and service to customers.										Start Date: 7/17	
<b>Justification:</b> Due to its isolated location, without upgrades, failures cannot be remedied quickly.										End Date: 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	88.0	88.0	281.0	636.0	0.0	0.0	1,005.0	0.0	1,005.0
Tucson Water Operating Funds	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>281.0</b>	<b>636.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,030.0</b>	<b>0.0</b>	<b>1,030.0</b>

<b>Drexel I-19 Crossing 24 Main</b>										Project ID: W187	
<b>Description:</b> Install 800 feet of 24-inch main on Drexel under I-19, replacing the existing 8-inch main. Install 50 feet of 6-inch main on Calle Pinta and connect to the 24-inch main.										Start Date: 7/19	
<b>Justification:</b> The existing 8-inch main provides insufficient back-up capability to customers. Increasing this main to a 24-inch line will provide sufficient alternate sources of water to customers in the area if we experience a supply failure from another source. Failures can include main breaks, well failures, booster pump failures, etc.										End Date: 6/21	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	58.0	1,110.0	0.0	1,168.0	0.0	1,168.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>58.0</b>	<b>1,110.0</b>	<b>0.0</b>	<b>1,168.0</b>	<b>0.0</b>	<b>1,168.0</b>

<b>Drill Production Wells</b>										Project ID: W101	
<b>Description:</b>										Start Date: 7/13	
Drill two replacement production wells per year in well fields other than the CAVSARP, Southern Avra Valley Storage Project (SAVSARP) and Recovery and the Tucson Airport Remediation Project (TARP). Replacements will be focused on wells beyond repair, or which are more economical to replace by installing stainless steel constructed wells.										End Date: 6/22	
<b>Justification:</b>										Location: City and County	
This on-going project will equip wells to pump historic production levels of the original wells and will contribute to maintaining 90 million gallons per day (mgd) of redundant well field pumping capacity in the event of a failure of the 96-inch Clearwell pipeline.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	564.8	0.0	0.0	0.0	0.0	0.0	1,753.0	1,789.0	3,542.0	0.0	4,106.8
<b>Total</b>	<b>564.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,753.0</b>	<b>1,789.0</b>	<b>3,542.0</b>	<b>0.0</b>	<b>4,106.8</b>

<b>Effluent Pump Station Expansion</b>										Project ID: W049	
<b>Description:</b>										Start Date: 7/13	
Expand the existing Tertiary/Secondary Effluent Pumping Station (T/SEPS) wetwell at Roger Road to match the filtration system upgrade (W774).										End Date: 6/20	
<b>Justification:</b>										Location: Ward 1	
Pumping capacity will be increased, a new pipeline will deliver the increased flow to the existing chlorine contact basin, and a secondary gravity pipeline will be added from the basin to the existing reclaimed reservoir to reduce the likelihood of basin overflow.											
<b>City-Wide Priorities:</b> Customer Service.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.5	140.0	0.0	140.0	0.0	88.0	0.0	0.0	228.0	0.0	228.5
Tucson Water Operating Funds	202.1	0.0	0.0	0.0	0.0	1,500.0	0.0	0.0	1,500.0	0.0	1,702.1
<b>Total</b>	<b>202.6</b>	<b>140.0</b>	<b>0.0</b>	<b>140.0</b>	<b>0.0</b>	<b>1,588.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,728.0</b>	<b>0.0</b>	<b>1,930.6</b>

<b>Eisenhower Road D-Zone Transmission Main</b>										Project ID: W186	
<b>Description:</b> Install approximately 2,500 feet of 16-inch water main on Eisenhower Road from a new booster station to Hughes Access Road.										Start Date: 7/16	
<b>Justification:</b> This will provide additional water supply and fire protection and allow the retirement of the Martin D Booster Station.										End Date: 6/18	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	50.0	0.0	280.0	280.0	0.0	0.0	0.0	0.0	280.0	0.0	330.0
Tucson Water Operating Funds	0.1	0.0	83.0	83.0	0.0	0.0	0.0	0.0	83.0	0.0	83.1
<b>Total</b>	<b>50.1</b>	<b>0.0</b>	<b>363.0</b>	<b>363.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>363.0</b>	<b>0.0</b>	<b>413.1</b>

<b>Emergency Main Replacement</b>										Project ID: W186	
<b>Description:</b> Replace approximately 3,000 feet of 2-inch, 4-inch, and 6-inch mains on an as-needed, emergency basis.										Start Date: Annual	
<b>Justification:</b> Immediate response to requests for emergency main replacements is required to reduce water loss, ensure system reliability, and maintain water quality.										End Date: Annual	
<b>City-Wide Priorities:</b> Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	227.0	227.0	225.0	231.0	234.0	239.0	1,156.0	1,000.0	2,156.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>227.0</b>	<b>227.0</b>	<b>225.0</b>	<b>231.0</b>	<b>234.0</b>	<b>239.0</b>	<b>1,156.0</b>	<b>1,000.0</b>	<b>2,156.0</b>

<b>Equip Well A-061</b>										Project ID: W061	
<b>Description:</b> Design and equip well A-061. Equipping of wells is necessary to put a newly drilled well into service.										Start Date: 7/16	
<b>Justification:</b> Well A-061 is needed to supplement water supply in the northwest portion of Tucson Water's system.										End Date: 6/18	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	40.0	0.0	302.0	302.0	0.0	0.0	0.0	0.0	302.0	0.0	342.0
Tucson Water Operating Funds	10.0	0.0	95.0	95.0	0.0	0.0	0.0	0.0	95.0	0.0	105.0
<b>Total</b>	<b>50.0</b>	<b>0.0</b>	<b>397.0</b>	<b>397.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>397.0</b>	<b>0.0</b>	<b>447.0</b>

<b>Equip Wells SS-021 and SS-023</b>										Project ID: W216	
<b>Description:</b> Re-equip or replace pumps for wells SS-021 and SS-023 to pump water into the B1 water service area. Existing well discharge mains will be connected to the B1 mains.										Start Date: 7/21	
<b>Justification:</b> Wells SS-021 and SS-023 are needed to supply water in the west portion of Tucson Water's system.										End Date: 6/22	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179.0	179.0	0.0	179.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>179.0</b>	<b>179.0</b>	<b>0.0</b>	<b>179.0</b>

<b>Equip Well W-006</b>										Project ID: W062	
<b>Description:</b>										Start Date: 7/14	
Design and equip well W-006. The existing water column (WC) service area is an isolated system and is supplied by only one well, W-001.										End Date: 6/18	
<b>Justification:</b>										Location: County	
This new well would provide a level of redundancy in the event of failure or maintenance requirements of well W-001.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	47.0	40.0	0.0	40.0	0.0	0.0	0.0	0.0	40.0	0.0	87.0
Tucson Water Operating Funds	113.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.4
<b>Total</b>	<b>160.4</b>	<b>40.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.0</b>	<b>200.4</b>

<b>Escalante Reservoir</b>										Project ID: W051	
<b>Description:</b>										Start Date: 7/14	
Design and construct improvements as developed through the condition assessment to bring this reservoir up to current standards.										End Date: 6/21	
<b>Justification:</b>										Location: County	
This project must be completed to continue to provide long-term reliability and prevent water loss.											
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	7.0	0.0	0.0	0.0	168.0	752.0	760.0	0.0	1,680.0	0.0	1,687.0
Tucson Water Operating Funds	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8
<b>Total</b>	<b>21.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>168.0</b>	<b>752.0</b>	<b>760.0</b>	<b>0.0</b>	<b>1,680.0</b>	<b>0.0</b>	<b>1,701.8</b>

<b>Excellence in Customer Care Center</b>										<b>Project ID:</b> W220	
<b>Description:</b> Relocate Customer Service Representatives to enhanced work environment.										<b>Start Date:</b> 7/16	
<b>Justification:</b> Excellence in Customer Service includes a reduction in call answer times, reduced customer hold times, and a decrease in the number of customer										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	230.0	2,613.0	2,843.0	0.0	0.0	0.0	0.0	2,843.0	0.0	2,843.0
Tucson Water Operating Funds	51.2	0.0	181.0	181.0	0.0	0.0	0.0	0.0	181.0	0.0	232.2
<b>Total</b>	<b>51.2</b>	<b>230.0</b>	<b>2,794.0</b>	<b>3,024.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,024.0</b>	<b>0.0</b>	<b>3,075.2</b>

<b>Extensions for New Services</b>										<b>Project ID:</b> W107	
<b>Description:</b> Design and install minor extensions from the distribution system as requested by customers. Associated costs are reimbursed by the customer.										<b>Start Date:</b> Annual	
<b>Justification:</b> Extensions allow Tucson Water to install (or upgrade piping in order to install) new services in an expedient manner. This project ensures that piping is suitable in strength and durability and is available to connect to the distribution system.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	113.0	113.0	112.0	116.0	117.0	119.0	577.0	500.0	1,077.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>112.0</b>	<b>116.0</b>	<b>117.0</b>	<b>119.0</b>	<b>577.0</b>	<b>500.0</b>	<b>1,077.0</b>

<b>Facility Safety and Security Infrastructure</b>										<b>Project ID:</b> W381	
<b>Description:</b> Implement an enterprise-wide security system for Tucson Water. This project will include ongoing security analysis, acquisition and installation of security system hardware and software, video cameras, and sensor equipment, as well as building modifications including wiring, access card reader installations and remodel work.										<b>Start Date:</b> Annual	
<b>Justification:</b> This long-range project will provide security for approximately 794 parcels owned by Tucson Water.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Health and Safety and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	567.0	567.0	561.0	1,156.0	1,169.0	1,193.0	4,646.0	2,500.0	7,146.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>567.0</b>	<b>567.0</b>	<b>561.0</b>	<b>1,156.0</b>	<b>1,169.0</b>	<b>1,193.0</b>	<b>4,646.0</b>	<b>2,500.0</b>	<b>7,146.0</b>

<b>Filtration Modifications at Reclaimed Plant</b>										<b>Project ID:</b> W774	
<b>Description:</b> Expand filters for the reclaimed water plant at Roger Road. Pima County has permitted its new Agua Nueva wastewater treatment plant as a B+ facility. The existing filter plant will be reconfigured to increase the capacity from 10 mgd to 15 mgd with provision for eventual expansion to 20 mgd.										<b>Start Date:</b> 7/13	
<b>Justification:</b> This will provide additional reliability for the reclaimed plant. Needed programming upgrades will be coordinated with ongoing Supervisory Control and Data Acquisition (SCADA) work, and the wetwell will be expanded as a separate project (W049).										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	1,178.1	475.0	613.0	1,088.0	0.0	0.0	0.0	0.0	1,088.0	0.0	2,266.1
Tucson Water Operating Funds	537.6	0.0	181.0	181.0	0.0	0.0	0.0	0.0	181.0	0.0	718.6
<b>Total</b>	<b>1,715.7</b>	<b>475.0</b>	<b>794.0</b>	<b>1,269.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,269.0</b>	<b>0.0</b>	<b>2,984.7</b>

<b>Fire Hydrants in Annexation Areas</b>										<b>Project ID:</b> W163	
<b>Description:</b> Install fire hydrants in areas of annexation.										<b>Start Date:</b> Annual	
<b>Justification:</b> The City of Tucson is annexing various adjacent and outlying areas, some of which do not have fire service. As a condition of annexation, fire service may be required and 6-inch fire hydrants will need to be installed at locations specified by the Tucson Fire Department.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service, Economic Development, and Health and Safety.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	113.0	113.0	112.0	116.0	117.0	119.0	577.0	0.0	577.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>112.0</b>	<b>116.0</b>	<b>117.0</b>	<b>119.0</b>	<b>577.0</b>	<b>0.0</b>	<b>577.0</b>

<b>Fire Services</b>										<b>Project ID:</b> W124	
<b>Description:</b> Design and install fire hydrants and fire sprinkler service connections in areas needed upon customer request and payment of connection fees.										<b>Start Date:</b> Annual	
<b>Justification:</b> This project is required to provide for the installation of new fire hydrants and fire services to customers upon request.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service and Health and Safety.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	1,984.0	1,984.0	1,965.0	2,024.0	2,045.0	2,087.0	10,105.0	8,750.0	18,855.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,984.0</b>	<b>1,984.0</b>	<b>1,965.0</b>	<b>2,024.0</b>	<b>2,045.0</b>	<b>2,087.0</b>	<b>10,105.0</b>	<b>8,750.0</b>	<b>18,855.0</b>

<b>Gas Engines</b>										Project ID: W140	
<b>Description:</b>										Start Date: 7/14	
Install five natural gas engines per year in the CAVSARP well field area. The current engines are approaching the 100,000 service hour life span.										End Date: 6/22	
<b>Justification:</b>										Location: City and County	
The upgraded engines will have the latest technology needed to meet the emissions control permit requirements, making it more cost effective and advantageous to upgrade to new engines rather than rebuild the existing engines.											
<b>City-Wide Priorities:</b> Balanced Budget and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	656.2	0.0	0.0	0.0	842.0	867.0	876.0	894.0	3,479.0	0.0	4,135.2
Tucson Water Operating Funds	849.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	849.7
<b>Total</b>	<b>1,505.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>842.0</b>	<b>867.0</b>	<b>876.0</b>	<b>894.0</b>	<b>3,479.0</b>	<b>0.0</b>	<b>4,984.9</b>

<b>Goebel Avenue Distribution Main</b>										Project ID: W211	
<b>Description:</b>										Start Date: 7/19	
Tap existing 24-inch main with a new 6-inch main. Install 6-inch main across Speedway on Goebel, approximately 400 feet. Connect two existing potable water services to new 6-inch main. Connect existing fire service to new main. All services are for a 3-story apartment complex.										End Date: 6/21	
<b>Justification:</b>										Location: Ward 2	
The pipeline is required to remedy inadequate system pressure in the area. Presently, the water system is hobbled and operating inefficiently.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	29.0	103.0	0.0	132.0	0.0	132.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.0</b>	<b>103.0</b>	<b>0.0</b>	<b>132.0</b>	<b>0.0</b>	<b>132.0</b>

<b>H-1 Ironwood Pressure Reducing Valve (PRV) Station Bailey Valve Replacements</b>										Project ID: W858	
<b>Description:</b> Replace two PRVs which are more than 35 years old and beyond their operating expectancy.										Start Date: 7/18	
<b>Justification:</b> These PRVs deliver renewal water to our system, wheeling CAP water to Inter-Governmental Agency (IGA) customers.										End Date: 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	365.0	52.0	0.0	0.0	417.0	0.0	417.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>365.0</b>	<b>52.0</b>	<b>0.0</b>	<b>0.0</b>	<b>417.0</b>	<b>0.0</b>	<b>417.0</b>

<b>Houghton Road Reclaimed Reservoir</b>										Project ID: W135	
<b>Description:</b> Design and construct solutions to increase site security, redesign the reservoir roof for water-tightness, and add a new roof and structural										Start Date: 7/14	
<b>Justification:</b> Site work will be performed to address access road repairs and general site renewal.										End Date: 6/19	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	96.3	0.0	0.0	0.0	2,919.0	0.0	0.0	0.0	2,919.0	0.0	3,015.3
Tucson Water Operating Funds	119.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.1
<b>Total</b>	<b>215.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,919.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,919.0</b>	<b>0.0</b>	<b>3,134.4</b>

<b>Magee Road (410E) Pressure Reducing Valve (PRV) Replacement</b>										Project ID: W181	
<b>Description:</b> Install solar SCADA to monitor flow and water pressures of the new 8-inch PRV which is the sole source of water for approximately 1,300 customers.										Start Date: 7/20	
<b>Justification:</b> SCADA will allow quicker response to maintenance issues.										End Date: 6/21	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	88.0	0.0	88.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>88.0</b>	<b>0.0</b>	<b>88.0</b>	<b>0.0</b>	<b>88.0</b>

<b>Manzanita Tank Lining</b>										Project ID: W054	
<b>Description:</b> Design and construct a new liner at the Manzanita steel tank.										Start Date: 7/16	
<b>Justification:</b> The coatings and linings of the tank have reached the end of their service life and require replacement to prevent accelerated deterioration of the tank.										End Date: 6/20	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	7.0	0.0	0.0	0.0	34.0	752.0	0.0	0.0	786.0	0.0	793.0
Tucson Water Operating Funds	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
<b>Total</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34.0</b>	<b>752.0</b>	<b>0.0</b>	<b>0.0</b>	<b>786.0</b>	<b>0.0</b>	<b>796.0</b>

<b>Maryvale Manor Subdivision, Phase I</b>										Project ID: W791	
<b>Description:</b>										Start Date: 7/12	
Design and install 4,100 feet of 6-inch pipe in the Maryvale Manor Subdivision bordered by 32nd Street, 36th Street, Van Buren and Jefferson Avenue. This project will also relocate 92 water meters from alleys into streets and replace 12 existing fire hydrants.										End Date: 6/19	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main breaks according to records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	15.9	0.0	44.0	44.0	943.0	0.0	0.0	0.0	987.0	0.0	1,002.9
Tucson Water Operating Funds	28.8	0.0	13.0	13.0	0.0	0.0	0.0	0.0	13.0	0.0	41.8
<b>Total</b>	<b>44.7</b>	<b>0.0</b>	<b>57.0</b>	<b>57.0</b>	<b>943.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,000.0</b>	<b>0.0</b>	<b>1,044.7</b>

<b>Maryvale Manor Subdivision, Phase III</b>										Project ID: W846	
<b>Description:</b>										Start Date: 7/11	
Design and install approximately 4,450 feet of 6-inch pipe and 1,000 feet of 8-inch pipe in 34th, 35th, 36th Street, Van Buren and Sahuara Avenue. This project will relocate 58 water meters from alleys into streets.										End Date: 6/20	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	69.8	0.0	0.0	0.0	56.0	543.0	0.0	0.0	599.0	0.0	668.8
Tucson Water Operating Funds	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
<b>Total</b>	<b>76.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>56.0</b>	<b>543.0</b>	<b>0.0</b>	<b>0.0</b>	<b>599.0</b>	<b>0.0</b>	<b>675.3</b>

<b>Meter Upgrade and Replacement Program</b>										<b>Project ID:</b> W435	
<b>Description:</b> Upgrade and install replacement meters system wide on an annual basis.										<b>Start Date:</b> Annual	
<b>Justification:</b> Older meters become inefficient and tend to under-read water usage, and affect compliance with water loss regulations.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	4,489.0	4,489.0	4,447.0	4,625.0	3,506.0	3,578.0	20,645.0	0.0	20,645.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>4,489.0</b>	<b>4,489.0</b>	<b>4,447.0</b>	<b>4,625.0</b>	<b>3,506.0</b>	<b>3,578.0</b>	<b>20,645.0</b>	<b>0.0</b>	<b>20,645.0</b>

<b>Miscellaneous Land and Right-of-Way Acquisitions</b>										<b>Project ID:</b> W126	
<b>Description:</b> Acquire real estate services necessary prior to determining the feasibility of a well, booster station, reservoir, or pipeline project. Services include the determination of the need for, and acquisition of, right-of-way or easements.										<b>Start Date:</b> Annual	
<b>Justification:</b> This project saves public money by determining the suitability of particular sites or routes prior to investing money in place-based design.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget and Economic Development.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	11.0	11.0	11.0	12.0	12.0	12.0	58.0	50.0	108.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>11.0</b>	<b>11.0</b>	<b>11.0</b>	<b>12.0</b>	<b>12.0</b>	<b>12.0</b>	<b>58.0</b>	<b>50.0</b>	<b>108.0</b>

<b>Nebraska Road Distribution Main</b>										Project ID: W175	
<b>Description:</b> Install 2,100 feet of 8-inch main on Nebraska from Sunset to 800 feet west of Spencer, connecting to the existing 2-inch main.										Start Date: 7/19	
<b>Justification:</b> This distribution main will replace two vault PRVs (Spencer and Sheridan). The main will be in the Nebraska (unpaved) Right-of-Way. New customers will be added to this main.										End Date: 6/20	
<b>City-Wide Priorities:</b> Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	289.0	0.0	0.0	289.0	0.0	289.0
Tucson Water Operating Funds	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
<b>Total</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>289.0</b>	<b>0.0</b>	<b>0.0</b>	<b>289.0</b>	<b>0.0</b>	<b>289.8</b>

<b>New Metered Services</b>										Project ID: W131	
<b>Description:</b> Install new metered reclaimed water services upon customer request and payment of connection fees.										Start Date: Annual	
<b>Justification:</b> This project allows for the installation of new metered reclaimed water services upon customer request.										End Date: Annual	
<b>City-Wide Priorities:</b> Customer Service and Economic Development.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	57.0	57.0	56.0	58.0	58.0	60.0	289.0	250.0	539.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>57.0</b>	<b>57.0</b>	<b>56.0</b>	<b>58.0</b>	<b>58.0</b>	<b>60.0</b>	<b>289.0</b>	<b>250.0</b>	<b>539.0</b>

<b>Northgate Subdivision, Phase I</b>										<b>Project ID:</b> W789	
<b>Description:</b>										<b>Start Date:</b> 7/11	
Design and install approximately 8,000 feet of 6-inch pipe in the Northgate Subdivision bordered by 22nd Street, Van Buren Ave., 25th Street and Craycroft Road. This project will also relocate 124 water meters from alleys into streets and replace eight existing fire hydrants.										<b>End Date:</b> 10/18	
<b>Justification:</b>										<b>Location:</b> Ward 4	
This area has been identified as having an above average amount of main breaks according to records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Asset.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	609.0	250.0	876.0	1,126.0	0.0	0.0	0.0	0.0	1,126.0	0.0	1,735.0
Tucson Water Operating Funds	143.4	0.0	258.0	258.0	0.0	0.0	0.0	0.0	258.0	0.0	401.4
<b>Total</b>	<b>752.4</b>	<b>250.0</b>	<b>1,134.0</b>	<b>1,384.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,384.0</b>	<b>0.0</b>	<b>2,136.4</b>

<b>Old Vail Steel Tank Upgrades (Rehab)</b>										<b>Project ID:</b> W168	
<b>Description:</b>										<b>Start Date:</b> 7/15	
Design and construct improvements to the Old Vail steel tank which include the design and construction of a back-up storage tank. The interior and exterior of the 200,000 gallon tank will also be removed and recoated.										<b>End Date:</b> 6/18	
<b>Justification:</b>										<b>Location:</b> City and County	
Failure to rehabilitate this tank, and provide back-up storage will result in failure of the tanks ability to hold water. This will result in the inability to adequately serve customers in the area, and we will be unable to provide needed fire flow to customers.											
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	137.4	150.0	0.0	150.0	0.0	0.0	0.0	0.0	150.0	0.0	287.4
Tucson Water Operating Funds	321.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	321.1
<b>Total</b>	<b>458.5</b>	<b>150.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>608.5</b>

<b>Payments to Developers for Oversized Systems</b>										<b>Project ID:</b> W108	
<b>Description:</b> Reimburse developers for the cost of oversizing water system components (pipes, mains, and boosters) when Tucson Water requests a capacity greater than needed by the development.										<b>Start Date:</b> Annual	
<b>Justification:</b> Oversizing is sometimes required to supply future projected demands consistent with Tucson Water's long range planning and to avoid more expensive replacement in the future, after buildings and streets are constructed.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Economic Development.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	113.0	113.0	112.0	116.0	117.0	119.0	577.0	500.0	1,077.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>112.0</b>	<b>116.0</b>	<b>117.0</b>	<b>119.0</b>	<b>577.0</b>	<b>500.0</b>	<b>1,077.0</b>

<b>Pima Mine Road Production Well Drilling</b>										<b>Project ID:</b> W166	
<b>Description:</b> Drill three production wells at Pima Mine Road, which will assist the utility in reaching its goal of 20 mgd of production capacity from the Santa Cruz Well Field.										<b>Start Date:</b> 7/20	
<b>Justification:</b> These wells will ensure water levels remain below the alert levels for the underground storage facility permit and help resolve water quality issues in the Santa Cruz Well Field. Each well will be between 500 and 600 feet below land surface and eventually be equipped to pump approximately 1,500 gpm.										<b>End Date:</b> 6/21	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	2,921.0	0.0	2,921.0	0.0	2,921.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,921.0</b>	<b>0.0</b>	<b>2,921.0</b>	<b>0.0</b>	<b>2,921.0</b>

<b>Pima Mine Road Well Equipping</b>										Project ID: W195	
<b>Description:</b>										Start Date: 7/21	
Design and install three production well pumps, control buildings and surface piping in production wells drilled at the Pima Mine Road Recharge Project.										End Date: 6/23	
<b>Justification:</b>										Location: County	
These wells will ensure water levels remain below the alert levels for the underground storage facility permit and help resolve water quality issues in the Santa Cruz Well Field.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179.0	179.0	0.0	179.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>179.0</b>	<b>179.0</b>	<b>0.0</b>	<b>179.0</b>

<b>Plant 1 Building 10 and 11 Improvements</b>										Project ID: W202	
<b>Description:</b>										Start Date: 7/18	
Acquire professional services to design shade canopies for buildings 10 and 11. New parking lot layouts will be configured with secured vehicle and pedestrian gates. Professional services are also required for construction documents and construction oversight. Other costs include permitting and construction.										End Date: 6/21	
<b>Justification:</b>										Location: Ward 5 and 6	
This project is needed to correct ADA deficiencies and meet the technology and growth of a changing work force.											
<b>City-Wide Priorities:</b> Balanced Budget, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	112.0	116.0	58.0	0.0	286.0	0.0	286.0
Tucson Water Operating Funds	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Total</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>112.0</b>	<b>116.0</b>	<b>58.0</b>	<b>0.0</b>	<b>286.0</b>	<b>0.0</b>	<b>286.1</b>

<b>Plant 1 Building 3 Remodeling</b>										<b>Project ID:</b> W201	
<b>Description:</b> Remodel and renovate 4,000 square feet of Building 3 at Plant 1 to expand the office and muster space square footage, sized per City of Tucson (COT) and industry standards. Project costs include professional services to design to provide construction documents and construction oversight. Remodeling plans in Building 1 (W156) include a new larger assembly room eliminating the need for an assembly room in building 3, freeing up a large square footage and relieving space deficiencies through remodeling.										<b>Start Date:</b> 7/17	
<b>Justification:</b> This project is needed to meet standards for mustering and technology office environments.										<b>End Date:</b> 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	44.0	44.0	225.0	173.0	0.0	0.0	442.0	0.0	442.0
Tucson Water Operating Funds	0.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	13.0	0.0	13.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>57.0</b>	<b>57.0</b>	<b>225.0</b>	<b>173.0</b>	<b>0.0</b>	<b>0.0</b>	<b>455.0</b>	<b>0.0</b>	<b>455.0</b>

<b>Plant 1 New Meter Shop</b>										<b>Project ID:</b> W203	
<b>Description:</b> Design and construct a new building structure of approximately 4,800 square feet for properly sized meter shop offices, repair and testing areas, support spaces and ADA compliant restrooms. Project costs include professional services to design the new building, provide construction documents and construction oversight. Other costs include permitting, construction, furniture and equipment.										<b>Start Date:</b> 7/17	
<b>Justification:</b> The existing 2,700 square foot Meter Shop in Building 2 at Plant 1 is cramped and undersized for staff and essential activities.										<b>End Date:</b> 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.										<b>Location:</b> Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	88.0	88.0	561.0	463.0	0.0	0.0	1,112.0	0.0	1,112.0
Tucson Water Operating Funds	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>561.0</b>	<b>463.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,137.0</b>	<b>0.0</b>	<b>1,137.0</b>

<b>Pressure Tank Replacement</b>										<b>Project ID:</b> W075	
<b>Description:</b> Design and construct replacement pressure tanks at water wells and booster stations. As funds become available on an annual basis, uncertified tanks will be replaced and the remaining uncertified tanks prioritized.										<b>Start Date:</b> Annual	
<b>Justification:</b> Safety requirements mandate tank replacement for those not meeting code or lacking certification from the American Society of Mechanical Engineers.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	510.0	510.0	505.0	520.0	526.0	537.0	2,598.0	750.0	3,348.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>510.0</b>	<b>510.0</b>	<b>505.0</b>	<b>520.0</b>	<b>526.0</b>	<b>537.0</b>	<b>2,598.0</b>	<b>750.0</b>	<b>3,348.0</b>

<b>Production Well Sites</b>										<b>Project ID:</b> W087	
<b>Description:</b> Acquire property for new production well sites.										<b>Start Date:</b> Annual	
<b>Justification:</b> Well sites are needed to meet future demand and to replace obsolete wells.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	84.0	84.0	83.0	86.0	87.0	89.0	429.0	375.0	804.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>84.0</b>	<b>84.0</b>	<b>83.0</b>	<b>86.0</b>	<b>87.0</b>	<b>89.0</b>	<b>429.0</b>	<b>375.0</b>	<b>804.0</b>

<b>Rauscher D-E Booster Station</b>										Project ID: W180	
<b>Description:</b>										Start Date: 7/17	
Upgrade the Rauscher D-E Booster Station by adding additional booster capacity to ensure reliable distribution of direct recovered CAP water.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 4	
Station pumping capacity will be increased by about 2,500 gpm to provide additional capacity and redundancy, and to help meet Vail wheeling demands.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	30.0	0.0	30.0	0.0	0.0	0.0	0.0	30.0	0.0	30.0
Tucson Water Operating Funds	48.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9
<b>Total</b>	<b>48.9</b>	<b>30.0</b>	<b>0.0</b>	<b>30.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>30.0</b>	<b>0.0</b>	<b>78.9</b>

<b>Reclaimed Booster Expansion</b>										Project ID: W761	
<b>Description:</b>										Start Date: 7/20	
Design and expand the Reclaimed Booster Pumping Facility on Sweetwater Drive.										End Date: 6/23	
<b>Justification:</b>										Location: Ward 1	
Additional booster pumps, and appurtenances are needed to increase the discharge capacity. Modifications to adjacent piping will allow for higher flow rates and mitigate excessive piping velocities.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	310.0	2,385.0	2,695.0	0.0	2,695.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>310.0</b>	<b>2,385.0</b>	<b>2,695.0</b>	<b>0.0</b>	<b>2,695.0</b>

**Recycled Water Program**

**Description:**  
Plan development for the full utilization of the City's effluent entitlement. Effluent quality and quantity, methods of treatment, existing and future uses of effluent will be addressed. Continued expansion of the non-potable reclaimed water and recharge, capital improvement projects and costs needed to implement are included.

**Justification:**  
The 2011-2015 Action Plan for Water Sustainability Report identified preparation and implementation of the Recycled Water Master Plan as a water resource task.

**City-Wide Priorities:** Balanced Budget and Customer Service.

**Project ID:** W176  
**Start Date:** 7/15  
**End Date:** 6/22  
**Location:** City and County

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	3,078.4	1,905.0	938.0	2,843.0	894.0	100.0	0.0	0.0	3,837.0	0.0	6,915.4
Tucson Water Operating Funds	217.0	0.0	275.0	275.0	100.0	900.0	1,005.0	1,002.0	3,282.0	0.0	3,499.0
<b>Total</b>	<b>3,295.4</b>	<b>1,905.0</b>	<b>1,213.0</b>	<b>3,118.0</b>	<b>994.0</b>	<b>1,000.0</b>	<b>1,005.0</b>	<b>1,002.0</b>	<b>7,119.0</b>	<b>0.0</b>	<b>10,414.4</b>

**Re-Equip Well I-001B**

**Description:**  
Equip well I-001B to replace existing well I-001A which is old and showing signs of deterioration. Improvements will be made to bring the site up to current standards and improve operations including control upgrades, electrical service upgrades and piping, and mechanical system upgrades.

**Justification:**  
This is one of two wells that serves the isolated I-zone water service area in the Town of Catalina.

**City-Wide Priorities:** Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.

**Project ID:** W239  
**Start Date:** 7/16  
**End Date:** 6/18  
**Location:** County

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	70.0	25.0	131.0	156.0	0.0	0.0	0.0	0.0	156.0	0.0	226.0
Tucson Water Operating Funds	9.4	0.0	39.0	39.0	0.0	0.0	0.0	0.0	39.0	0.0	48.4
<b>Total</b>	<b>79.4</b>	<b>25.0</b>	<b>170.0</b>	<b>195.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>195.0</b>	<b>0.0</b>	<b>274.4</b>

<b>Relocate Aeropark Teton Pressure Reducing Valve (PRV)</b>										Project ID: W169	
<b>Description:</b> Relocate the current 6-inch PRV to an above ground 8-inch PRV at well site SC-007.										Start Date: 7/15	
<b>Justification:</b> This PRV is critical for fire flow in the C1 water service area. The current 6-inch PRV is located in a vault and the site has access issues. Relocating and upgrading will improve operating efficiency, improve reliability, improve public service, and resolves safety issues.										End Date: 6/18	
<b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	57.6	85.0	0.0	85.0	0.0	0.0	0.0	0.0	85.0	0.0	142.6
Tucson Water Operating Funds	68.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.7
<b>Total</b>	<b>126.3</b>	<b>85.0</b>	<b>0.0</b>	<b>85.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>85.0</b>	<b>0.0</b>	<b>211.3</b>

<b>Relocate Anklam Road (2000 W) Pressure Reducing Valve (PRV)</b>										Project ID: W170	
<b>Description:</b> Relocate the current PRV and construct an above ground 6-inch C-A PRV at the La Cholla booster station.										Start Date: 7/20	
<b>Justification:</b> The current PRV is located in a vault and the site has access issues. Relocating will improve operating efficiency, improve reliability, improve public service, and resolve safety issues.										End Date: 6/21	
<b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	0.0	0.0	0.0	0.0	204.0	0.0	204.0	0.0	204.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>204.0</b>	<b>0.0</b>	<b>204.0</b>	<b>0.0</b>	<b>204.0</b>

<b>Relocate Camino De Los Ranchos Pressure Reducing Valve (PRV)</b>										Project ID: W171	
<b>Description:</b> Relocate the current PRV and construct an above ground 6-inch I-H PRV at the Craycroft Booster Station.										Start Date: 7/18	
<b>Justification:</b> The current PRV is located in a vault and the site has access and safety issues. Relocating will improve operating efficiency, reliability, public service, and resolve safety issues.										End Date: 6/19	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	197.0	0.0	0.0	0.0	197.0	0.0	197.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>197.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>197.0</b>	<b>0.0</b>	<b>197.0</b>

<b>Relocate Craycroft Shadow Ridge Pressure Reducing Valve (PRV)</b>										Project ID: W172	
<b>Description:</b> Relocate the current PRV and construct an above ground 6-inch I-H PRV at the Craycroft Booster Station.										Start Date: 7/18	
<b>Justification:</b> The current PRV is located in a vault and the site has access and safety issues. Relocating will improve operating efficiency, reliability, public service, and resolve safety issues.										End Date: 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	11.0	249.0	0.0	0.0	260.0	0.0	260.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.0</b>	<b>249.0</b>	<b>0.0</b>	<b>0.0</b>	<b>260.0</b>	<b>0.0</b>	<b>260.0</b>

<b>Relocate Spencer Pressure Reducing Valve (PRV)</b>										Project ID: W198	
<b>Description:</b> Construct a 6-inch D-C PRV to replace the PRV at the current site.										Start Date: 7/19	
										End Date: 6/20	
<b>Justification:</b> The current PRV is located in a vault and the site has safety issues. Relocating and upgrading will improve operating efficiency, reliability, public service, and resolves safety issues.										Location: County	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	173.0	0.0	0.0	173.0	0.0	173.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>173.0</b>	<b>0.0</b>	<b>0.0</b>	<b>173.0</b>	<b>0.0</b>	<b>173.0</b>

<b>Relocate Via Velazquez Pressure Reducing Valve (PRV)</b>										Project ID: W174	
<b>Description:</b> Relocate and upgrade the current PRV to an above ground 6-inch F-D PRV near the current Via Velazquez site.										Start Date: 7/17	
										End Date: 6/19	
<b>Justification:</b> The current PRV is located in a vault and the site has safety issues. Relocating and upgrading will improve operating efficiency, reliability, public service, and resolves safety issues.										Location: County	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	26.0	26.0	168.0	0.0	0.0	0.0	194.0	0.0	194.0
Tucson Water Operating Funds	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	8.0	0.0	8.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>34.0</b>	<b>34.0</b>	<b>168.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>202.0</b>	<b>0.0</b>	<b>202.0</b>

<b>Reservoir and Tank Rehabilitation</b>										Project ID: W736	
<b>Description:</b> Provide necessary funding to extend the useful life of reservoirs and storage tanks in the system. There are approximately 63 concrete reservoirs and steel storage tanks.										Start Date: 7/19	
<b>Justification:</b> These water vessels were constructed beginning in the early 1950s, and many are in need of upgrades and enhancements to continue to provide long-term system reliability and prevent water loss.										End Date: 6/22	
<b>City-Wide Priorities:</b> Balanced Budget and Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	5,838.7	0.0	0.0	0.0	0.0	5,430.0	365.0	139.0	5,934.0	0.0	11,772.7
Tucson Water Operating Funds	751.2	0.0	0.0	0.0	0.0	352.0	5,478.0	5,824.0	11,654.0	0.0	12,405.2
<b>Total</b>	<b>6,589.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5,782.0</b>	<b>5,843.0</b>	<b>5,963.0</b>	<b>17,588.0</b>	<b>0.0</b>	<b>24,177.9</b>

<b>Responsive Meter Replacement</b>										Project ID: W716	
<b>Description:</b> Replace meters that are not included in the ongoing residential meter replacement program.										Start Date: 7/07	
<b>Justification:</b> This project will increase efficiency and revenues by replacing meters that under-read or fail to read consumption properly as they are discovered.										End Date: 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	7,018.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,018.7
Tucson Water Operating Funds	4,359.0	0.0	567.0	567.0	561.0	578.0	0.0	0.0	1,706.0	0.0	6,065.0
<b>Total</b>	<b>11,377.7</b>	<b>0.0</b>	<b>567.0</b>	<b>567.0</b>	<b>561.0</b>	<b>578.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,706.0</b>	<b>0.0</b>	<b>13,083.7</b>

<b>Review Developer-Financed Potable Projects</b>										<b>Project ID:</b> W109	
<b>Description:</b> Conduct plan reviews and construction inspection of developer financed water system infrastructure projects. Associated costs are recovered by fees paid by the developer. These systems are donated to Tucson Water upon completion.										<b>Start Date:</b> Annual	
<b>Justification:</b> The review and inspection of developer-financed water system infrastructure projects ensure compliance with Tucson Water requirements.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Economic Development.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	1,077.0	1,077.0	1,067.0	1,099.0	1,110.0	1,133.0	5,486.0	4,750.0	10,236.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,077.0</b>	<b>1,077.0</b>	<b>1,067.0</b>	<b>1,099.0</b>	<b>1,110.0</b>	<b>1,133.0</b>	<b>5,486.0</b>	<b>4,750.0</b>	<b>10,236.0</b>

<b>Rita Road "F2" to "G2" Zone Booster Station</b>										<b>Project ID:</b> W200	
<b>Description:</b> Construct a booster station of 1.5 mgd capacity. This project involves land acquisition, design, permitting, procurement and testing of pumps and associated equipment. Work includes, but is not limited to, pumps, motors, meters, valves, monitoring and controlling equipment, tank, control center rack, below and above ground pipe and other appurtenances.										<b>Start Date:</b> 7/18	
<b>Justification:</b> This booster station will provide renewable resources to meet water system demand in the Rita Ranch G-zone area and to provide renewable water resources to wheel water to Vail.										<b>End Date:</b> 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Economic Development.										<b>Location:</b> County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	168.0	1,388.0	0.0	0.0	1,556.0	0.0	1,556.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>168.0</b>	<b>1,388.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,556.0</b>	<b>0.0</b>	<b>1,556.0</b>

<b>River Road 12-Inch Main</b>										Project ID: W146	
<b>Description:</b>										Start Date: 7/17	
Design and install 5,500 feet of 12-inch pipe on River Road between Craycroft and Avenida Del Cazador. This main will connect to three existing main segments on River Road in its distribution capacity.										End Date: 6/19	
<b>Justification:</b>										Location: County	
This water main will serve as a redundancy C-zone distribution main and as an emergency transmission main when the Columbus 54-inch main is out of service. In an emergency, this main will deliver C-zone well water to the Valley View Booster Station.											
City-Wide Priorities: Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	26.0	26.0	674.0	0.0	0.0	0.0	700.0	0.0	700.0
Tucson Water Operating Funds	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	8.0	0.0	8.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>34.0</b>	<b>34.0</b>	<b>674.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>708.0</b>	<b>0.0</b>	<b>708.0</b>

<b>Road Improvement Main Replacements</b>										Project ID: W111	
<b>Description:</b>										Start Date: Annual	
Relocate water mains during road improvement projects of the City of Tucson, Pima County, Arizona Department of Transportation, and other agencies, including RTA projects. Intergovernmental agreements determine the City of Tucson cost allocation for each project.										End Date: Annual	
<b>Justification:</b>										Location: City and County	
Replacing water mains during roadway projects allows Tucson Water to maintain system capacity while saving money on the cost of pavement removal and replacement.											
City-Wide Priorities: Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	7,820.0	0.0	7,820.0	0.0	0.0	0.0	0.0	7,820.0	0.0	7,820.0
Tucson Water Operating Funds	0.0	0.0	7,937.0	7,937.0	7,860.0	5,782.0	5,843.0	5,963.0	33,385.0	17,500.0	50,885.0
<b>Total</b>	<b>0.0</b>	<b>7,820.0</b>	<b>7,937.0</b>	<b>15,757.0</b>	<b>7,860.0</b>	<b>5,782.0</b>	<b>5,843.0</b>	<b>5,963.0</b>	<b>41,205.0</b>	<b>17,500.0</b>	<b>58,705.0</b>

<b>SA-016A Recovery Well Drilling</b>										Project ID: W083	
<b>Description:</b>										Start Date: 7/19	
Design and drill water recovery wells SA-016A. Project scope provides for the drilling and constructing a stainless steel casing to prevent corrosion. Additional wells will allow the SAVSARP well field to be operated more efficiently.										End Date: 6/20	
<b>Justification:</b>										Location: County	
This will enable more complete utilization of the recharged CAP water allowing additional withdrawals as recharge capacity increases, as well as reliability while other wells are down for maintenance.											
City-Wide Priorities: Balanced Budget, Customer Service, and Economic Development.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	694.0	0.0	0.0	694.0	0.0	694.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>694.0</b>	<b>0.0</b>	<b>0.0</b>	<b>694.0</b>	<b>0.0</b>	<b>694.0</b>

<b>SA-019A SA-021A Recovery Well Drilling</b>										Project ID: W084	
<b>Description:</b>										Start Date: 7/19	
Design and drill water recovery wells SA-019A and SA-021A. Project scope provides for the drilling and constructing a stainless steel casing to prevent corrosion. Additional wells will allow the SAVSARP well field to be operated more efficiently.										End Date: 6/20	
<b>Justification:</b>										Location: County	
This will enable more complete utilization of the recharged CAP water allowing additional withdrawals as recharge capacity increases, as well as reliability while other wells are down for maintenance.											
City-Wide Priorities: Balanced Budget, Customer Service, and Economic Development.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	1,322.0	0.0	0.0	1,322.0	0.0	1,322.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,322.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,322.0</b>	<b>0.0</b>	<b>1,322.0</b>

<b>SA-023A Recovery Well Drilling</b>										Project ID: W085	
<b>Description:</b> Design and drill water recovery well SA-023A. Project scope provides for the drilling and constructing stainless steel casing to prevent corrosion. Additional wells will allow the SAVSARP well field to be operated more efficiently.										Start Date: 7/19	
<b>Justification:</b> This will enable more complete utilization of the recharged CAP water allowing additional withdrawals as recharge capacity increases, as well as reliability while other wells are down for maintenance.										End Date: 6/20	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Economic Development.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	694.0	0.0	0.0	694.0	0.0	694.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>694.0</b>	<b>0.0</b>	<b>0.0</b>	<b>694.0</b>	<b>0.0</b>	<b>694.0</b>

<b>Sahuarita Supply Line Slip Liner</b>										Project ID: W796	
<b>Description:</b> Design and install a high-density polyethylene pipe (HDPE) slip liner in the existing 30-inch and 36-inch CCP Sahuarita Supply Line from Lumber Street and Old Nogales Highway to Medina Road and Nogales Highway.										Start Date: 7/12	
<b>Justification:</b> This project will increase the capacity available from the Santa Cruz Well Field from 12 mgd to 20 mgd.										End Date: 6/20	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	126.1	200.0	1,280.0	1,480.0	6,085.0	1,156.0	0.0	0.0	8,721.0	0.0	8,847.1
Tucson Water Operating Funds	781.7	0.0	376.0	376.0	1,068.0	0.0	0.0	0.0	1,444.0	0.0	2,225.7
<b>Total</b>	<b>907.8</b>	<b>200.0</b>	<b>1,656.0</b>	<b>1,856.0</b>	<b>7,153.0</b>	<b>1,156.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,165.0</b>	<b>0.0</b>	<b>11,072.8</b>

<b>San Paulo Village Main Replacement Phase I</b>										Project ID: W850	
<b>Description:</b>										Start Date: 7/15	
Design and install 1,600 feet of 6-inch pipe in alleys bordered by Sylvane and 28th Street, Sonoita and Alamo Avenue.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	58.9	0.0	460.0	460.0	0.0	0.0	0.0	0.0	460.0	0.0	518.9
Tucson Water Operating Funds	21.9	0.0	135.0	135.0	0.0	0.0	0.0	0.0	135.0	0.0	156.9
<b>Total</b>	<b>80.8</b>	<b>0.0</b>	<b>595.0</b>	<b>595.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>595.0</b>	<b>0.0</b>	<b>675.8</b>

<b>San Paulo Village Main Replacement Phase II</b>										Project ID: W041	
<b>Description:</b>										Start Date: 7/16	
Design and install 6,200 feet of 6-inch pipe in Sahuara, 28th Street, 22nd Street, and Wilmot Road.										End Date: 6/19	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	88.0	88.0	1,273.0	0.0	0.0	0.0	1,361.0	0.0	1,361.0
Tucson Water Operating Funds	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>1,273.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,386.0</b>	<b>0.0</b>	<b>1,386.0</b>

<b>San Paulo Village Main Replacement Phase III</b>										Project ID: W071	
<b>Description:</b> Design and install 4,800 feet of 6-inch pipe in alleys near Alamo, 25th Street, 22nd Street, and Wilmot Road.										Start Date: 7/17	
<b>Justification:</b> This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.										End Date: 6/19	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 4	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	44.0	44.0	460.0	0.0	0.0	0.0	504.0	0.0	504.0
Tucson Water Operating Funds	0.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	13.0	0.0	13.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>57.0</b>	<b>57.0</b>	<b>460.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>517.0</b>	<b>0.0</b>	<b>517.0</b>

<b>Santa Cruz SC-008 Well Collector Line</b>										Project ID: W039	
<b>Description:</b> Design and install 3,500 feet of 12-inch HDPE collector line from existing well SC-008 to existing 30-inch transmission main.										Start Date: 7/13	
<b>Justification:</b> This will increase flow from the Santa Cruz Well Field from 10 mgd to 20 mgd.										End Date: 6/18	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	89.5	0.0	1,139.0	1,139.0	0.0	0.0	0.0	0.0	1,139.0	0.0	1,228.5
Tucson Water Operating Funds	123.3	0.0	335.0	335.0	0.0	0.0	0.0	0.0	335.0	0.0	458.3
<b>Total</b>	<b>212.8</b>	<b>0.0</b>	<b>1,474.0</b>	<b>1,474.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,474.0</b>	<b>0.0</b>	<b>1,686.8</b>

<b>Santa Cruz Well SC-001/04/14 Equipping</b>										Project ID: W189	
<b>Description:</b> Equip production wells SC-001, SC-004, and SC-014. Wells will be 16" diameter stainless steel louvered screen and blank casing construction. Total depth will be between 500 and 600 feet.										Start Date: 7/19	
<b>Justification:</b> These wells will be equipped to pump approximately 1,000 gpm each and will assist Tucson Water's goal of reaching 20 mgd of production capacity from the Santa Cruz Well Field.										End Date: 6/21	
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	173.0	1,402.0	0.0	1,575.0	0.0	1,575.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>173.0</b>	<b>1,402.0</b>	<b>0.0</b>	<b>1,575.0</b>	<b>0.0</b>	<b>1,575.0</b>

<b>Santa Cruz Well Field Chemical Feed/Monitoring Facility</b>										Project ID: W759	
<b>Description:</b> Acquire land, design and construct a Chemical Feed and Water Quality Monitoring Facility to provide pH adjustment, disinfection, and water quality monitoring through SCADA.										Start Date: 7/09	
<b>Justification:</b> This facility will ensure that pH adjustment, disinfection, and water quality monitoring will be performed in an integrated way in providing water to approximately 50,000 customers.										End Date: 6/18	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	2,020.4	195.0	2,033.0	2,228.0	0.0	0.0	0.0	0.0	2,228.0	0.0	4,248.4
Tucson Water Operating Funds	608.7	0.0	598.0	598.0	0.0	0.0	0.0	0.0	598.0	0.0	1,206.7
<b>Total</b>	<b>2,629.1</b>	<b>195.0</b>	<b>2,631.0</b>	<b>2,826.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,826.0</b>	<b>0.0</b>	<b>5,455.1</b>

<b>Santa Cruz Well Field Facility Pipeline</b>										<b>Project ID:</b> W089	
<b>Description:</b> Design and construct two 155 foot long 30 and 36-inch header pipelines with butterfly valves (BFV).										<b>Start Date:</b> 7/13	
<b>Justification:</b> This will connect the proposed Santa Cruz Well Field Treatment Facility to the existing transmission main and proposed sliplined transmission main pipelines that convey water from the Santa Cruz Well Field to the Martin Reservoir and the water distribution system.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> Ward 1	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	171.0	0.0	1,472.0	1,472.0	0.0	0.0	0.0	0.0	1,472.0	0.0	1,643.0
Tucson Water Operating Funds	20.8	0.0	433.0	433.0	0.0	0.0	0.0	0.0	433.0	0.0	453.8
<b>Total</b>	<b>191.8</b>	<b>0.0</b>	<b>1,905.0</b>	<b>1,905.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,905.0</b>	<b>0.0</b>	<b>2,096.8</b>

<b>Santa Cruz Wells Re-Equipping</b>										<b>Project ID:</b> W857	
<b>Description:</b> Design and construct well equipping of four existing production wells in the Santa Cruz Well Field. Due to the higher groundwater elevations, this well field provides the most cost-effective access to our renewable water resource.										<b>Start Date:</b> 7/13	
<b>Justification:</b> By returning these wells to service, the production of this well field can be increased to approximately 15 mgd.										<b>End Date:</b> 6/18	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	938.0	195.0	0.0	195.0	0.0	0.0	0.0	0.0	195.0	0.0	1,133.0
Tucson Water Operating Funds	458.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	458.2
<b>Total</b>	<b>1,396.2</b>	<b>195.0</b>	<b>0.0</b>	<b>195.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>195.0</b>	<b>0.0</b>	<b>1,591.2</b>

<b>Southern Avra Valley Storage Project (SAVSARP) Booster Station Upgrade</b>										Project ID: W794	
<b>Description:</b>										Start Date: 7/21	
Design and construct booster station modifications, upgrading to increase capacity.										End Date: 6/24	
<b>Justification:</b>										Location: County	
This project will increase capacity from approximately 40 mgd to approximately 80 mgd.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	302.0	302.0	0.0	302.0
Tucson Water Operating Funds	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Total</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>302.0</b>	<b>302.0</b>	<b>0.0</b>	<b>302.1</b>

<b>Southern Avra Valley Storage Project (SAVSARP) Collector Lines Phase III</b>										Project ID: W781	
<b>Description:</b>										Start Date: 7/12	
Design and install approximately 300 feet of 16-inch pipe, and 9,000 feet of 36-inch pipe including appurtenances.										End Date: 6/22	
<b>Justification:</b>										Location: County	
This will provide collector lines to convey water from wells SA-002A, SA-004A, SA-005A, and SA-007A to the SAVSARP reservoir.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	2.1	0.0	0.0	0.0	0.0	0.0	876.0	894.0	1,770.0	0.0	1,772.1
Tucson Water Operating Funds	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
<b>Total</b>	<b>4.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>876.0</b>	<b>894.0</b>	<b>1,770.0</b>	<b>0.0</b>	<b>1,774.7</b>

<b>Southern Avra Valley Storage Project (SAVSARP) Collector Lines Phase IV</b>										Project ID: W829	
<b>Description:</b> Design and construct approximately 3,800 feet of 16-inch pipe, and 5,000 feet of 24-inch pipe to convey water from wells SA-012A, SA-013A, SA-019A, SA-021A, and AV-020B to the SAVSARP reservoir and booster station.										Start Date: 7/21	
<b>Justification:</b> This will provide collector lines to convey water from wells SA-012A, SA-013A, SA-019A, SA-021A, and AV-020B to the SAVSARP reservoir.										End Date: 6/23	
<b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	41.0	0.0	41.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>41.0</b>	<b>41.0</b>	<b>0.0</b>	<b>41.0</b>

<b>Southern Avra Valley Storage Project (SAVSARP) Collector Lines Phase V</b>										Project ID: W832	
<b>Description:</b> Install approximately 1,300 feet of 16-inch pipe and 5,280 feet of 24-inch pipe to convey water from wells SA-006A, SA-016A, and SA-023A, to the SAVSARP reservoir and booster station.										Start Date: 7/19	
<b>Justification:</b> This will provide collector lines to convey water from wells SA-002A, SA-004A, SA-005A, and SA-007A to the SAVSARP reservoir.										End Date: 6/21	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	39.0	2,083.0	0.0	2,122.0	0.0	2,122.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>39.0</b>	<b>2,083.0</b>	<b>0.0</b>	<b>2,122.0</b>	<b>0.0</b>	<b>2,122.0</b>

<b>Southern Avra Valley Storage Project (SAVSARP) Phase III Well Equipping</b>										Project ID: W064	
<b>Description:</b> Design and equip Wells SA-002A, SA-005A, SA-007A, SA-008A and SA-010A. Equipping of wells is necessary to put a newly drilled well into service.										Start Date: 7/20	
<b>Justification:</b> Phase III will continue development of recovery of recharged Central Arizona Project water within the SAVSARP.										End Date: 6/22	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, and Maintenance and Renovation of Existing City Assets.										Location: County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	0.0	1,110.0	2,445.0	3,555.0	0.0	3,555.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,110.0</b>	<b>2,445.0</b>	<b>3,555.0</b>	<b>0.0</b>	<b>3,555.0</b>

<b>SC-001, SC-004 Well Transmission Lines</b>										Project ID: W183	
<b>Description:</b> Install 2,400 feet of 12-inch and 200 feet of 16-inch PVC collector line, connecting to the 30-inch existing main.										Start Date: 7/17	
<b>Justification:</b> This collector line will allow wells SC-001 and SC-004 to convey water into the Tucson Water system.										End Date: 6/21	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.										Location: Ward 5	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.3	0.0	44.0	44.0	67.0	130.0	570.0	0.0	811.0	0.0	811.3
Tucson Water Operating Funds	0.1	0.0	13.0	13.0	0.0	0.0	0.0	0.0	13.0	0.0	13.1
<b>Total</b>	<b>0.4</b>	<b>0.0</b>	<b>57.0</b>	<b>57.0</b>	<b>67.0</b>	<b>130.0</b>	<b>570.0</b>	<b>0.0</b>	<b>824.0</b>	<b>0.0</b>	<b>824.4</b>

<b>Supervisory Control and Data Acquisition (SCADA) Potable Upgrades</b>										<b>Project ID:</b> W782	
<b>Description:</b> Install field instrumentation, controllers, and communications equipment necessary to communicate water system flows, levels, and pressures to system operators.										<b>Start Date:</b> 7/12	
										<b>End Date:</b> 6/22	
										<b>Location:</b> City and County	
<b>Justification:</b> The SCADA communication infrastructure has become obsolete and needs to be updated. The existing Master Station hardware and software will be replaced with improved technology. The budget includes construction of a new control center in an existing Tucson Water facility which will allow control operations of the water system from a central location.											
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	5,559.7	0.0	4,419.0	4,419.0	4,200.0	1,548.0	4,600.0	2,100.0	16,867.0	0.0	22,426.7
Tucson Water Operating Funds	7,379.6	0.0	1,817.0	1,817.0	1,639.0	4,580.0	1,593.0	285.0	9,914.0	0.0	17,293.6
<b>Total</b>	<b>12,939.3</b>	<b>0.0</b>	<b>6,236.0</b>	<b>6,236.0</b>	<b>5,839.0</b>	<b>6,128.0</b>	<b>6,193.0</b>	<b>2,385.0</b>	<b>26,781.0</b>	<b>0.0</b>	<b>39,720.3</b>

<b>SC Well Replacement SC-001, SC-004, SC-014</b>										<b>Project ID:</b> W167	
<b>Description:</b> Drill for the replacement of inactive wells SC-001, SC-004, and SC-014.										<b>Start Date:</b> 7/19	
										<b>End Date:</b> 6/20	
										<b>Location:</b> County	
<b>Justification:</b> These replacement wells will add to the collective production capacity necessary to meet the utility's goal of 20 mgd from the Santa Cruz Well Field. Additionally, these wells will help resolve water quality issues in the Santa Cruz Well Field.											
<b>City-Wide Priorities:</b> Customer Service and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	2,313.0	0.0	0.0	2,313.0	0.0	2,313.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,313.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,313.0</b>	<b>0.0</b>	<b>2,313.0</b>

<b>Silverbell/Orange Grove 12" Pressure Reducing Valve (PRV)</b>										Project ID: W159	
<b>Description:</b> Construct a 12-inch A-Z PRV at the current Silverbell/Orange Grove site to replace the two 8-inch PRVs at this location.										Start Date: 7/17	
<b>Justification:</b> Both 8-inch PRVs have reliability and maintenance issues and one is located in a vault. The supply main and the discharge main will be 16-inches.										End Date: 6/19	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	18.0	18.0	202.0	0.0	0.0	0.0	220.0	0.0	220.0
Tucson Water Operating Funds	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>23.0</b>	<b>23.0</b>	<b>202.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>225.0</b>	<b>0.0</b>	<b>225.0</b>

<b>Source Meter Replacement</b>										Project ID: W715	
<b>Description:</b> Install new magnetic meters at the wellheads to improve the accounting of how much potable water is produced.										Start Date: Annual	
<b>Justification:</b> This project will assist in determining the amount of real losses versus apparent losses of water, and improve compliance with water loss regulations.										End Date: Annual	
<b>City-Wide Priorities:</b> Maintenance and Renovation of Existing City Assets.										Location: Citywide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	249.0	249.0	247.0	254.0	257.0	262.0	1,269.0	1,100.0	2,369.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>249.0</b>	<b>249.0</b>	<b>247.0</b>	<b>254.0</b>	<b>257.0</b>	<b>262.0</b>	<b>1,269.0</b>	<b>1,100.0</b>	<b>2,369.0</b>

<b>South Avra Valley Recovered Transmission Main</b>										Project ID: W444	
<b>Description:</b>										Start Date: 7/20	
Design and install approximately 48,000 feet of 64-inch transmission main in South Avra Valley. The pipeline will convey approximately 72,000 acre-feet of recovered, recharged Colorado River water from the Southern Avra Valley Storage and Recovery Project basins to the new Hayden-Udall Prime Reservoir and Booster (W795).										End Date: 6/25	
<b>Justification:</b>										Location: County	
This project increases reliability and redundancy for the Clearwater water supply.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	126.8	0.0	0.0	0.0	0.0	0.0	584.0	1,193.0	1,777.0	0.0	1,903.8
Tucson Water Operating Funds	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
<b>Total</b>	<b>127.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>584.0</b>	<b>1,193.0</b>	<b>1,777.0</b>	<b>0.0</b>	<b>1,904.3</b>

<b>Southeast Houghton Area Discharge Project</b>										Project ID: W282	
<b>Description:</b>										Start Date: 7/10	
Design and construct water discharge facility. This water recharge project is in the southeast Houghton Road area.										End Date: 6/19	
<b>Justification:</b>										Location: City and County	
The project is planned to provide the capability to recharge reclaimed water that would ordinarily be discharged into the Santa Cruz River, resulting in beneficial use of this water within the metropolitan area.											
<b>City-Wide Priorities:</b> Balanced Budget, Economic Development, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	482.0	482.0	6,569.0	0.0	0.0	0.0	7,051.0	0.0	7,051.0
Tucson Water Operating Funds	0.0	0.0	142.0	142.0	0.0	0.0	0.0	0.0	142.0	0.0	142.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>624.0</b>	<b>624.0</b>	<b>6,569.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7,193.0</b>	<b>0.0</b>	<b>7,193.0</b>

<b>Stallion Road Distribution Main, Catalina</b>										Project ID: W241	
<b>Description:</b>										Start Date: 7/17	
Design and install approximately 2,000 feet of 6-inch main in Stallion Road right-of-way in the town of Catalina, I-zone. Existing pipes in the north of this Water Service Area are more than 40 year old asbestos, and have frequent leaks and breaks. Due to the lack of looped mains in this area, repairs to those mains result in the temporary service outages to about 150 customers, as well as supply to the Bronco booster station.										End Date: 6/18	
<b>Justification:</b>										Location: County	
This project will improve operating efficiency and redundancy. The addition of this main will significantly reduce the number of customers out of service during a repair.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	15.0	0.0	133.0	133.0	0.0	0.0	0.0	0.0	133.0	0.0	148.0
Tucson Water Operating Funds	15.3	0.0	39.0	39.0	0.0	0.0	0.0	0.0	39.0	0.0	54.3
<b>Total</b>	<b>30.3</b>	<b>0.0</b>	<b>172.0</b>	<b>172.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>172.0</b>	<b>0.0</b>	<b>202.3</b>

<b>System Enhancements: Reclaimed</b>										Project ID: W645	
<b>Description:</b>										Start Date: Annual	
Design and construct reclaimed water mains during city, county, state, and other agency road improvement projects, including RTA funded projects. Intergovernmental agreements determine the City of Tucson cost allocated for each project.										End Date: Annual	
<b>Justification:</b>										Location: City and County	
This project will increase system capacity while reducing the cost of pavement removal and replacement by coordinating construction with the roadway projects.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	283.0	283.0	281.0	289.0	292.0	298.0	1,443.0	1,250.0	2,693.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>283.0</b>	<b>283.0</b>	<b>281.0</b>	<b>289.0</b>	<b>292.0</b>	<b>298.0</b>	<b>1,443.0</b>	<b>1,250.0</b>	<b>2,693.0</b>

<b>Tanque Verde to Wentworth 8-Inch Main</b>										Project ID: W040	
<b>Description:</b>										Start Date: 7/16	
Design and install 2,900 feet of 8-inch pipe in Redington Road from Wentworth to Camino La Cebadilla connecting to the existing 8-inch mains.										End Date: 6/18	
<b>Justification:</b>										Location: County	
This main will improve water distribution and fire flow capacity in the E1 and G8 water service areas.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	20.0	0.0	196.0	196.0	0.0	0.0	0.0	0.0	196.0	0.0	216.0
Tucson Water Operating Funds	4.0	0.0	58.0	58.0	0.0	0.0	0.0	0.0	58.0	0.0	62.0
<b>Total</b>	<b>24.0</b>	<b>0.0</b>	<b>254.0</b>	<b>254.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>254.0</b>	<b>0.0</b>	<b>278.0</b>

<b>Tucson Airport Remediation Project (TARP) - Advanced Oxidation Process (AOP) Settling Tank</b>										Project ID: W152	
<b>Description:</b>										Start Date: 7/16	
Modify existing plant inlet piping to route flow through a new pressure tank and back to plant inlet pumps. The decreased velocity of the flow through the tank will allow debris to settle out prior to feed into the UV reactors.										End Date: 6/18	
<b>Justification:</b>										Location: County	
Currently the sediment and debris in the raw water from the TARP wells is damaging the ultra-violet reactors in the new TARP - AOP plant. This debris is of too large of volume and size to be efficiently removed by existing in-line filters, but has a sufficiently high density that it could be removed by settling.											
<b>City-Wide Priorities:</b> Balanced Budget, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	339.3	140.0	0.0	140.0	0.0	0.0	0.0	0.0	140.0	0.0	479.3
Tucson Water Operating Funds	173.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173.4
<b>Total</b>	<b>512.7</b>	<b>140.0</b>	<b>0.0</b>	<b>140.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>140.0</b>	<b>0.0</b>	<b>652.7</b>

<b>Tucson Airport Remediation Project (TARP) Well R-001 - R-008 Drilling Replacement</b>										Project ID: W244	
<b>Description:</b>										Start Date: 7/17	
Design and construct replacement wells R-001 thru R-008 at the TARP. Tucson Water operates the remediation system in accordance with the 1991 Consent Decree with the U.S. Environmental Protection Agency (USEPA) to contain and treat groundwater contaminated with trichloroethylene (TCE).										End Date: 6/25	
<b>Justification:</b>										Location: Ward 1 and 5	
In order to maintain the remediation process, these wells need to be replaced. A gradual deterioration of the wells has been observed, due to the end of their useful life.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	438.0	438.0	561.0	0.0	1,169.0	0.0	2,168.0	0.0	2,168.0
Tucson Water Operating Funds	0.0	0.0	129.0	129.0	0.0	0.0	0.0	0.0	129.0	0.0	129.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>567.0</b>	<b>567.0</b>	<b>561.0</b>	<b>0.0</b>	<b>1,169.0</b>	<b>0.0</b>	<b>2,297.0</b>	<b>0.0</b>	<b>2,297.0</b>

<b>Tucson Airport Remediation Project (TARP) Well R-001 - R-008 Re-Equipping</b>										Project ID: W247	
<b>Description:</b>										Start Date: 7/17	
Design and equip replacement wells R-001 thru R-008 at the TARP, replacing electrical and control equipment and all necessary upgrades.										End Date: 6/26	
<b>Justification:</b>										Location: Ward 1 and 5	
Tucson Water operates the remediation system in accordance with the 1991 Consent Decree with the USEPA to contain and treat groundwater contaminated with trichloroethylene (TCE). In order to maintain the remediation process, these wells need to be replaced.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	88.0	88.0	505.0	520.0	526.0	537.0	2,176.0	0.0	2,176.0
Tucson Water Operating Funds	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>113.0</b>	<b>113.0</b>	<b>505.0</b>	<b>520.0</b>	<b>526.0</b>	<b>537.0</b>	<b>2,201.0</b>	<b>0.0</b>	<b>2,201.0</b>

<b>Thunderbird Old Spanish Trail Distribution Main</b>										Project ID: W236	
<b>Description:</b> Install 1-mile of 8-inch potable water main on Old Spanish Trail from Saguaro Crest to Thunderhead Ranch. This project is needed to supply the Thunderhead customers with central system water.										Start Date: 7/19	
										End Date: 6/21	
										Location: County	
<b>Justification:</b> The well that currently supplies water to the area is starting to fail. An above ground PRV is also needed. If water is wheeled to Old Spanish Trail Water Co., a larger main will be needed. A companion PRV (CIP W235) will also be constructed.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	0.0	58.0	958.0	0.0	1,016.0	0.0	1,016.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>58.0</b>	<b>958.0</b>	<b>0.0</b>	<b>1,016.0</b>	<b>0.0</b>	<b>1,016.0</b>

<b>Thunderbird Old Spanish Trail Pressure Reducing Valve (PRV)</b>										Project ID: W235	
<b>Description:</b> Purchase land, design and construct a 6-inch PRV at Thunderhead and Old Spanish Trail. This PRV, along with the Thunderhead Main CIP, will keep the Thunderhead Subdivision at its current water pressure of 60 PSI. The flow in the subdivision will be reversed when it is connected to Tucson Water's central system. The site will also serve as a chlorination point.										Start Date: 7/18	
										End Date: 6/20	
										Location: County	
<b>Justification:</b> This PRV will keep the Thunderhead Subdivision at its current water pressure of 60 PSI. The site will also serve as a chlorination point.											
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, and Health and Safety.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	56.0	254.0	0.0	0.0	310.0	0.0	310.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>56.0</b>	<b>254.0</b>	<b>0.0</b>	<b>0.0</b>	<b>310.0</b>	<b>0.0</b>	<b>310.0</b>

<b>Tierra Del Sol Main Replacement Phase I</b>										Project ID: W072	
<b>Description:</b>										Start Date: 7/16	
Design and install 5,000 feet of 8-inch pipe and 4,130 feet of 6-inch pipe in Alamo Road, Calle Bellatrix, 22nd Street, and Fordham Road.										End Date: 6/18	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	42.0	0.0	368.0	368.0	0.0	0.0	0.0	0.0	368.0	0.0	410.0
Tucson Water Operating Funds	14.0	0.0	108.0	108.0	0.0	0.0	0.0	0.0	108.0	0.0	122.0
<b>Total</b>	<b>56.0</b>	<b>0.0</b>	<b>476.0</b>	<b>476.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>476.0</b>	<b>0.0</b>	<b>532.0</b>

<b>Tierra Del Sol Main Replacement Phase II</b>										Project ID: W147	
<b>Description:</b>										Start Date: 7/18	
Design and install 3,177 feet of 8-inch pipe and 3,832 feet of 6-inch pipe in Calle Bellatrix, Avenida Regulo, Avenida Planeta, and Calle Marte.										End Date: 6/20	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	56.0	486.0	0.0	0.0	542.0	0.0	542.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>56.0</b>	<b>486.0</b>	<b>0.0</b>	<b>0.0</b>	<b>542.0</b>	<b>0.0</b>	<b>542.0</b>

<b>Tierra Del Sol Main Replacement Phase III</b>										Project ID: W148	
<b>Description:</b>										Start Date: 7/18	
Design and install 1,682 feet of 8-inch pipe and 10,000 feet of 6-inch pipe in Calle Betelgeux, Calle Canis, Avenida Planeta, and Kolb Road.										End Date: 6/20	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	56.0	717.0	0.0	0.0	773.0	0.0	773.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>56.0</b>	<b>717.0</b>	<b>0.0</b>	<b>0.0</b>	<b>773.0</b>	<b>0.0</b>	<b>773.0</b>

<b>Tierra Del Sol Main Replacement Phase IV</b>										Project ID: W149	
<b>Description:</b>										Start Date: 7/18	
Design and install 3,742 feet of 8-inch pipe and 1,200 feet of 6-inch pipe in Calle Marte, Calle Denebola, Avenida Planeta, and Kolb Road.										End Date: 6/20	
<b>Justification:</b>										Location: Ward 4	
This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in the neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.											
<b>City-Wide Priorities:</b> Customer Service, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	0.0	0.0	56.0	572.0	0.0	0.0	628.0	0.0	628.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>56.0</b>	<b>572.0</b>	<b>0.0</b>	<b>0.0</b>	<b>628.0</b>	<b>0.0</b>	<b>628.0</b>

<b>Trails End Reservoir Rehabilitation</b>										Project ID: W050	
<b>Description:</b> Design and construct improvements as developed through the condition assessment to bring this reservoir up to current standards.										Start Date: 7/16	
										End Date: 6/20	
<b>Justification:</b> This project must be completed to continue to provide long-term reliability and prevent water loss.										Location: County	
<b>City-Wide Priorities:</b> Balanced Budget and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	17.0	0.0	0.0	0.0	168.0	925.0	0.0	0.0	1,093.0	0.0	1,110.0
<b>Total</b>	<b>17.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>168.0</b>	<b>925.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,093.0</b>	<b>0.0</b>	<b>1,110.0</b>

<b>Valve Access Vault</b>										Project ID: W060	
<b>Description:</b> Design and construct vaults over BFV actuators to allow safe access for BFV actuator repair, refurbishment or replacement. The project will install up to five vaults per year prioritizing the largest and most critical BFV actuators.										Start Date: Annual	
										End Date: Annual	
<b>Justification:</b> This project will eliminate the need to excavate roadways, reduce overall maintenance costs, and improve safety.										Location: City and County	
<b>City-Wide Priorities:</b> Balanced Budget, Health and Safety, and Maintenance and Renovation of Existing City Assets.											
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	0.0	0.0	438.0	438.0	561.0	578.0	584.0	596.0	2,757.0	0.0	2,757.0
Tucson Water Operating Funds	0.0	0.0	129.0	129.0	0.0	0.0	0.0	0.0	129.0	0.0	129.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>567.0</b>	<b>567.0</b>	<b>561.0</b>	<b>578.0</b>	<b>584.0</b>	<b>596.0</b>	<b>2,886.0</b>	<b>0.0</b>	<b>2,886.0</b>

<b>Water Services</b>										<b>Project ID:</b> W114	
<b>Description:</b> Install new metered potable water services upon customer request and payment of connection fees. These services include minor main connections, extensions, and meters to new services.										<b>Start Date:</b> Annual	
<b>Justification:</b> This project is required to provide for the installation of new metered services to customers upon request.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget, Customer Service, Economic Development, and Maintenance and Renovation of Existing City Assets.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	1,712.0	1,712.0	1,696.0	1,746.0	1,764.0	1,801.0	8,719.0	7,550.0	16,269.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1,712.0</b>	<b>1,712.0</b>	<b>1,696.0</b>	<b>1,746.0</b>	<b>1,764.0</b>	<b>1,801.0</b>	<b>8,719.0</b>	<b>7,550.0</b>	<b>16,269.0</b>

<b>Well Field Upgrades</b>										<b>Project ID:</b> W077	
<b>Description:</b> Upgrade pumps and motors at production wells.										<b>Start Date:</b> Annual	
<b>Justification:</b> This project will maximize efficiency and production capacity, and minimize repair and maintenance costs.										<b>End Date:</b> Annual	
<b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										<b>Location:</b> City and County	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Operating Funds	0.0	0.0	567.0	567.0	561.0	578.0	584.0	596.0	2,886.0	2,500.0	5,386.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>567.0</b>	<b>567.0</b>	<b>561.0</b>	<b>578.0</b>	<b>584.0</b>	<b>596.0</b>	<b>2,886.0</b>	<b>2,500.0</b>	<b>5,386.0</b>

**Wilmot Main Replacement**

**Description:**

Design and install approximately 4,700 feet of 12-inch pipe in Wilmot, 22nd Street to Golf Links Road. This project will replace 14 existing fire hydrants.

**Justification:**

This area has been identified as having an above average amount of main break records from Tucson Water's Customer Service and Maintenance Divisions. Much of the pipe in this neighborhood was installed in the 1950s and 1960s and has reached the end of its useful life.

**City-Wide Priorities:** Customer Service and Maintenance and Renovation of Existing City Assets.

**Project ID:** W861  
**Start Date:** 7/14  
**End Date:** 6/18  
**Location:** Ward 4

Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
Tucson Water Obligation Bonds	288.8	690.0	0.0	690.0	0.0	0.0	0.0	0.0	690.0	0.0	978.8
Tucson Water Operating Funds	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3
<b>Total</b>	<b>333.1</b>	<b>690.0</b>	<b>0.0</b>	<b>690.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>690.0</b>	<b>0.0</b>	<b>1,023.1</b>

## General Government



**Capital Improvement Program  
Department Statement**

**FY 2017/18 through FY 2021/22**

**Department:** General Government – General Expense

**Five-Year Total:** \$3,900,000

The General Expense five-year CIP of \$3.9 million has two projects in Fiscal Year 2017/18: The NICE Recorder Logger Replacement will upgrade the 911 call logging system. The Technology Upgrade Project will enhance the City's multiple enterprise related systems to a current standard supported by the vendor.

## General Government: General Expense

(\$000)

<b>NICE Recorder Logger Replacement</b> <b>Description:</b> Install and configure the NICE analog logging recorders, servers, and software upgrade.  <b>Justification:</b> The Tucson Police and Tucson Fire 911 recorders require replacement, as the current recorder cannot provide the next generation 911 (NG911) capabilities necessary to align with the State funded 911 phone replacement scheduled for install in November 2017.  <b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										<b>Project ID:</b> N121 <b>Start Date:</b> 7/17 <b>End Date:</b> 6/18 <b>Location:</b> Citywide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Fund	0.0	0.0	600.0	600.0	0.0	0.0	0.0	0.0	600.0	0.0	600.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>600.0</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>600.0</b>	<b>0.0</b>	<b>600.0</b>

<b>Technology Upgrade</b> <b>Description:</b> Upgrade the City's multiple enterprise related business computer system Enterprise Resource Planning (ERP) to a current standard to be supported by a single vendor that will provide system administrative functions.  <b>Justification:</b> The ERP vendor's contract dictates the City must stay on with two versions of their current release in order to be supported.  <b>City-Wide Priorities:</b> Balanced Budget and Customer Service.										<b>Project ID:</b> N118 <b>Start Date:</b> 7/15 <b>End Date:</b> 6/19 <b>Location:</b> Citywide	
Source of Funds Summary	Prior Years	Adopted Fiscal Year 2017/18			Projected Requirements				Five Year Total	Future Years	Total Project
		Carry Forward	New Funding	Year 1 Total	Year 2 FY 2018/19	Year 3 FY 2019/20	Year 4 FY 2020/21	Year 5 FY 2021/22			
General Fund	200.0	300.0	1,500.0	1,800.0	1,500.0	0.0	0.0	0.0	3,300.0	0.0	3,500.0
<b>Total</b>	<b>200.0</b>	<b>300.0</b>	<b>1,500.0</b>	<b>1,800.0</b>	<b>1,500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,300.0</b>	<b>0.0</b>	<b>3,500.0</b>

# Acronyms



# ACRONYMS and INITIALISMS

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Acronym/Initialisms	Definitions
ADA	Americans with Disabilities Act
ADEQ	Arizona Department of Environmental Quality
AFG	Assistance to Firefighters Grant
AMI	Advanced Metering Infrastructure
AMR	Advanced Meter Reading
AVL	Automatic Vehicle Locator
BFV	Butterfly Valves
CAP	Central Arizona Project
CAVSARP	Central Avra Valley Storage and Recovery Project
CDBG	Community Development Block Grant
CIP	Capital Improvement Plan
CNG	Compressed Natural Gas
COPs	Certificates of Participation
CP	Cathodic Protection
CSR	Customer Service Representative
DIP	Ductile Iron Pipe
DVR	Digital Video Recorder
ERP	Enterprise Resource Program
FHWA	Federal Highway Association
FTA	Federal Transit Administration
GIS	Geographic Information Systems
GPM	Gallons Per Minute
HDPE	High-Density Polyethylene Pipe
HURF	Highway User Revenue Fund
HVAC	Heating, Ventilating, and Air Conditioning
LED	Light Emitting Diode
MGD	Million Gallons per Day
MOV	Motor Operated Valve
MUP	Multi-Use Path
NEC	National Electrical Code
NFPA	National Fire Protection Association
O&M	Operating and Maintenance
OSHA	Occupational Safety and Health Administration
PAG	Pima Association of Governments
PRV	Pressure Reducing Valve
RTA	Regional Transportation Authority
RTDN	Regional Transportation Data Network

## ACRONYMS and INITIALISMS

### Acronym/Initialisms

### Definitions

SAVSARP	Southern Avra Valley Storage and Recovery Project
SC	Security Certified
SCADA	Supervisory Control and Data Acquisition
SGR	State of Good Repair
SHARP	Southeast Houghton Area Recharge Project
TARP	Tucson Airport Remediation Project
TCC	Tucson Convention Center
TCE	Trichlorethylene
TIP	Transportation Improvement Program
USEPA	United States Environmental Protection Agency
WC	Water Column



[tucsonaz.gov/finance/budget](http://tucsonaz.gov/finance/budget)