

## CAPITAL PROJECTS



Children's Playscape at the Rec Center

## CAPITAL PROJECTS

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## CAPITAL PROJECTS SUMMARY

The City of Georgetown annually updates and adopts a five-year Capital Improvement Plan (CIP) as part of the operating budget adoption process. Generally, the City defines high dollar fixed assets to be capital improvements. On-going maintenance and major repair costs are included as capital expense within the departmental operating budgets. Needed capital improvements are identified through system models, repair and maintenance records, and growth.

The CIP is divided into three major categories: the Georgetown Utility System (GUS), Transportation, and General Capital Projects. GUS manages Water/Wastewater Services and Energy Services. Transportation manages Streets, Stormwater Drainage, and the Airport. Finally, General Capital Projects manages Parks, the Downtown Master Plan, Sidewalks, Public Safety, and Facilities. Each of these funds is further dissected in this Capital Projects budget.

The timeline for the CIP planning process is outlined below:



### FISCAL YEAR 2016

*Budgeted expenses* for FY2016 CIP total \$72,906,484.

General Capital Projects (GCP) total \$35.8 million, and include the first \$20 million of bonds from the 2015 Transportation Bond.

Additionally, investments in GCP will include San Gabriel Phase 1 and the first debt issuance for Garey Park. Downtown improvements include \$675,000 for the Austin Avenue Bridge Design, as well as \$125,000 for Americans with Disabilities Act (ADA) compliance projects.

Water Services CIP totals \$25.7 million. Water related improvements total \$13.2 million, and include upgrades for water mains, pumps, and plant expansions. Wastewater related improvements total \$12.5 million, and include upgrades for interceptors and pumps.

Electric Services CIP totals \$6,098,000, and include improvements for substation improvements and funding for system expansion.

The sales tax street maintenance projects total \$3.36 million. Rehabilitation projects are scheduled at Pine St., Holly St. and 6<sup>th</sup> @ 7<sup>th</sup> St.

Other CIP improvements include \$20,000 for a Master Plan at the Airport and \$950,000 related to stormwater system.

FY2016	
<b>Revenues</b>	
Electric Revenues	225,000
Grants	275,000
Operating Revenue	22,520,000
Revenue Bonds	10,010,000
Sale of Property	6,705,000
Sales Tax	2,690,625
Self-Supporting COs	2,150,000
Tax-Supported COs	1,737,049
Fund Balance/Transfer	1,629,310
GO Bonds	24,700,000
Downtown TIRZ	264,500
<b>Total Revenues</b>	<b>72,906,484</b>
<b>Expenses</b>	
Electric	6,098,000
Water	25,757,000
Special Revenue Funds	3,362,000
General Capital Projects	35,881,549
Other	1,807,935
<b>Total Expenses</b>	<b>72,906,484</b>

## DOWNTOWN CAPITAL IMPROVEMENTS

### **DOWNTOWN CIP CAPITAL IMPROVEMENT PLAN**

The Downtown Capital Improvement Plan (CIP) implements infrastructure and facilities projects addressed in the Downtown Master Plan adopted by City Council in 2014. The downtown projects incorporate recommendations from the Arts and Culture Board, the Parks and Recreation Board, the Convention and Visitors Bureau Board, the Library Board, the Main Street Board, and the Historic and Architectural Review Commission.

The Downtown CIP funding comes from a combination of cash contributions, debt funding, and interest income. Actual amount of debt issues will be determined upon project timing and available and previously unallocated funds (previous year-end excess funds).



### **DOWNTOWN CIP FUND SUMMARY**

The FY2016 Downtown CIP includes continuing funding for general repair and maintenance, Americans with Disability Act (ADA) access improvements for sidewalks in the downtown overlay district, and to continue placing utilities underground (funded in the Utility CIP).

Additional requests for FY2016 are:

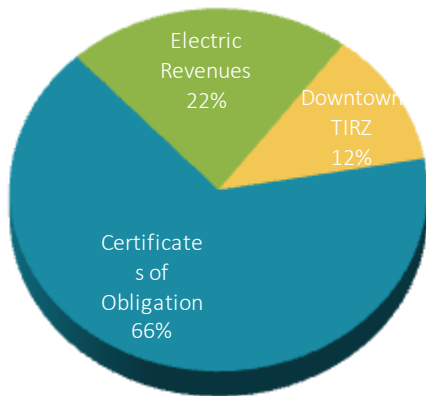
- A tree mitigation program to ensure that as trees are removed in the downtown overlay district, they are replaced appropriately;
- Recurring funding to extend street lights throughout the overlay district;
- Construction of a canopy on the north side courtyard of the library (design completed in 2015).
- Implementing the downtown parking study and reconfiguring existing parking resources and signage.

The 2016 plan request funds for design work related to pedestrian access and amenities along the Austin Avenue Bridge, with construction to be funded in 2017.

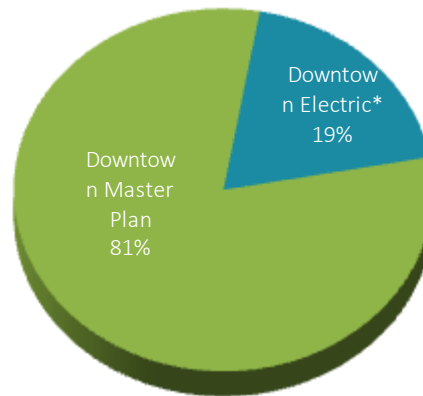
## DOWNTOWN MASTER PLAN CIP FUND SUMMARY

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
Certificates of Obligation	675,000	2,400,000	2,960,000	270,000	-
Electric Revenues	225,000	388,000	275,000	885,000	340,000
Downtown TIRZ	264,500	297,000	197,000	197,000	197,000
<b>Total</b>	<b>\$ 1,164,500</b>	<b>\$ 3,085,000</b>	<b>\$ 3,432,000</b>	<b>\$ 1,352,000</b>	<b>\$ 537,000</b>
<b>Expenses by Type</b>					
Downtown Electric*	225,000	388,000	275,000	885,000	340,000
Downtown Master Plan	939,500	2,697,000	3,157,000	467,000	197,000
<b>Total</b>	<b>\$ 1,164,500</b>	<b>\$ 3,085,000</b>	<b>\$ 3,432,000</b>	<b>\$ 1,352,000</b>	<b>\$ 537,000</b>
*Less: Downtown Electric is funded and budgeted in the Electric department capital fund.					

**Combined 5-Year Est. Funding**



**FY2016 Expenses by Type**



## DOWNTOWN MASTER PLAN CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Grace Heritage Assessment / Design

### PROJECTS PLANNED FOR FY2016

- Underground Electric
- Pedestrian Signal
- Street Lights
- Red Poppy Canopy
- Tree Replacement
- General Repair & Maintenance
- Grace Heritage Church Rehabilitation
- ADA Sidewalk Repair
- Trailheads/Pedestrian Connectivity to Austin Ave bridges
- Signature Gateway

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- Underground Electric
- Street Lights
- Tree Replacement
- General Repair & Maintenance
- ADA Sidewalk Repair
- Trailheads/Pedestrian Connectivity to Austin Ave bridges
- Mast Arms

### Project Title: Downtown Electric

**Project Description:** In an effort to expand successful retail opportunities beyond the 9-block core of the square, antique street lights will be installed throughout the overlay district in conjunction with streetscape projects. A tree mitigation program is needed to ensure that as trees are removed in the downtown overlay district, they are replaced appropriately. To ensure safety on Austin Ave., the City will install a pedestrian signal at the intersection of Austin Ave. and 5th Street to help protect people as the cross from downtown to restaurants north of the square. To continue to improve the appeal and usability of Downtown, the City will perennially work to move utilities underground.

**Funding Source:** Funded by Electric Operating Revenues and Downtown TIRZ Revenues

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Downtown Electric Proj.	300,000	185,000	348,000	235,000	845,000	300,000	2,213,000
Antique Lights	40,000	40,000	40,000	40,000	40,000	40,000	240,000
<b>Total</b>	<b>\$ 340,000</b>	<b>\$ 225,000</b>	<b>\$ 388,000</b>	<b>\$ 275,000</b>	<b>\$ 885,000</b>	<b>\$ 340,000</b>	<b>\$ 2,453,000</b>

### Project Title: Downtown Master Plan

**Project Description:** In an effort to create more outdoor seating, funding for designing a canopy on the north side courtyard of the library is being requested. Future plans include installing mast arms at major intersections, developing signature gateway signage. The City expects to utilize TxDOT and CAMPO funding for the repair of the Austin Avenue bridges; however, local funding will be needed for ADA access connection to sidewalks and trails and other pedestrian elements.

**Funding Source:** Funded by Tax-Supported Certificates of Obligation Bonds.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Red Poppy Canopy	-	67,500	-	-	-	-	67,500
General Repair & ADA Maintenance	-	125,000	125,000	125,000	125,000	125,000	625,000
Austin Bridge Design	-	675,000	-	-	-	-	675,000
Tree Mitigation/Lighting	22,000	22,000	22,000	22,000	22,000	22,000	132,000
Signature Gateway	-	-	100,000	-	-	-	100,000
Mast Arms	-	-	-	560,000	270,000	-	830,000
Reconfigure Parking	-	50,000	50,000	50,000	50,000	50,000	250,000
Austin Bridge Construction / Match / Pedestrian Elements	-	-	2,400,000	2,400,000	-	-	4,800,000
<b>Total</b>	<b>\$ 22,000</b>	<b>\$ 939,500</b>	<b>\$ 2,697,000</b>	<b>\$ 3,157,000</b>	<b>\$ 467,000</b>	<b>\$ 197,000</b>	<b>\$ 7,479,500</b>

## ENERGY SERVICES CAPITAL IMPROVEMENTS

### ENERGY SERVICES CAPITAL IMPROVEMENT PLAN

The Energy Services Utility maintains a Capital Improvement Program (CIP) to address the community's need for superior electric service. The CIP is developed by incorporating several factors including service improvement, increased reliability, equipment aging, extension of service within the certificated service area, regulatory changes, competition within dually certified areas, and support for economic development. The City operates and maintains an energy delivery system including seven substations and 394 miles of distribution lines consisting of both 12.5kV and 25kV. In addition to energy delivery, the Energy Services Utility operates the Supervisory Control and Data Acquisition system (SCADA), fiber-optic communications network, and the AMR system. These additional systems support, collectively, the electric and water utilities.

#### SUBSTATIONS & DISTRIBUTION LINES

Substations	MVA
Chief Brady	47.0
East	94.0
Gabriel	55.0
Georgetown	44.0
Glasscock	80.0
Rivory	94.0
South	47.0
<b>Total Capacity</b>	<b>461.0</b>

Distribution lines	
Electric Lines	394.0
Fiber lines	77.0
Networked AMI Meters	22,636.0

#### ENERGY SERVICES FUND

#### SUBSTATIONS/ COMMUNICATION SYSTEM IMPROVEMENTS SOLAR

#### GROWTH

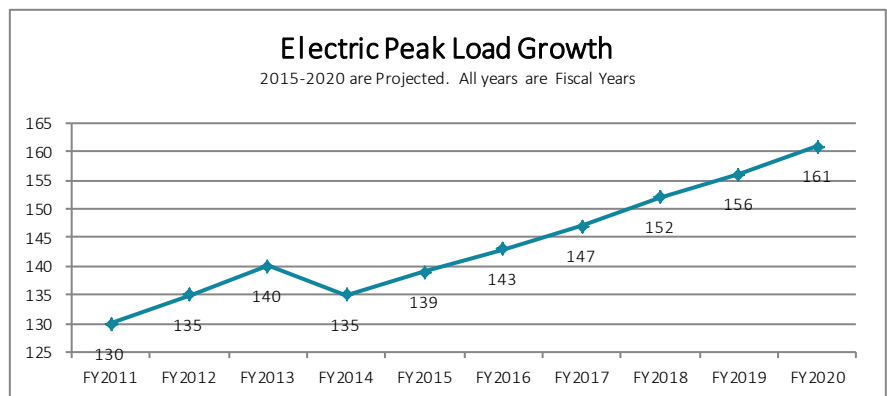
- Additional residential and commercial developments inside the system's service area drive the need for Capital Improvement.
- Energy demand is projected to grow by about 15% over the next 5 years.
- Five-year plan includes expansion of power bank additions at substations, along with other substation support and modifications.
- The CIP also includes extensions of overhead and underground feeders to new commercial and residential developments.
- System improvements for load and reliability control, as well as service extensions from existing distribution system to service new customers.

#### AGE

- CIP includes projects to inspect, and treat or replace deteriorated poles and rehabilitate aging facilities.
- In FY2009, the Utility began a long-term project to identify and rehabilitate overhead and underground facilities, system-wide.
- The FY2009 rehabilitation project includes a phased conversion of the City's 12.5kV system to 25kV for reliability.

#### REGULATORY CHANGES

- The City is subject to reliability standards of the North American Electric Reliability Council (NERC) and operational control and reliability through the Electric Reliability Council of Texas (ERCOT).
- Due to the deregulated electric market in Texas, and the City's status as a non-opt-in municipal retail provider, the City must continue to monitor developments in the Texas marketplace.
- The replacement of the AMR system with an AMI system will support regulatory changes related to Smart-Grid.
- The City has a Conservation and Environmental department to focus on conservation within the electric utility, including the provision for capital investment in conservation-related projects.

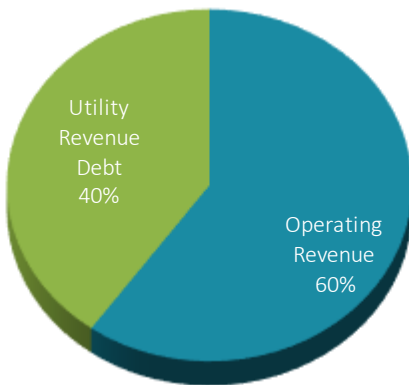




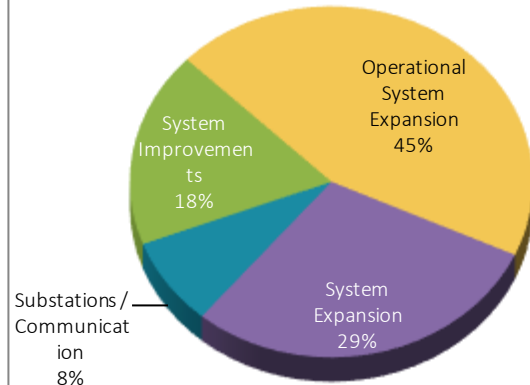
## ENERGY SERVICES CIP FUND SUMMARY

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Sources of Funding</b>					
Operating Revenue	2,988,000	3,500,000	3,500,000	3,500,000	3,500,000
Utility Revenue Debt	2,000,000	1,823,000	1,125,000	1,795,000	1,191,000
<b>Total</b>	<b>4,988,000</b>	<b>5,323,000</b>	<b>4,625,000</b>	<b>5,295,000</b>	<b>4,691,000</b>
<b>Expenses by Type</b>					
Substations / Communication	495,000	950,000	600,000	900,000	1,100,000
System Improvements	1,100,000	1,823,000	535,000	1,245,000	900,000
Operational System Expansion	2,718,000	1,923,000	1,923,000	1,923,000	1,923,000
System Expansion	1,785,000	600,000	1,550,000	1,200,000	750,000
<b>Total</b>	<b>6,098,000</b>	<b>5,296,000</b>	<b>4,608,000</b>	<b>5,268,000</b>	<b>4,673,000</b>

**FY2016 Sources of Funding**



**FY2016 Expenses by Type**





## ENERGY CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ GE60 feeder re-hab and conversion make ready
- ✓ Tin Barn Alley
- ✓ FM 1460 relocation
- ✓ GB70 feeder re-hab and conversion make ready
- ✓ 9<sup>th</sup> St OH to UG conversion
- ✓ East Substation feeder reconfig. and conversion
- ✓ Feeder tie GT50 & GE60
- ✓ Mays St feeder extension Part 1
- ✓ GB90 feeder re-hab and conversion Part 1
- ✓ Rivery Substation power transformer addition
- ✓ East Substation power transformer addition

### PROJECTS PLANNED FOR FY2016

- Substations
- Communication
- Operational/System Expansion

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- System Improvements
- System Expansion
- Operational System Expansion

### Project Title: Substations / Communication

**Project Description:** The cost associated with these projects are for installation of new or replacing existing power banks. This project also provides for engineering, construction and installation of devices related to operating and maintaining City's electric substation including SCADA upgrades.

**Funding Source:** Funded by utility revenue debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Substations / Communication	2,453,000	495,000	950,000	600,000	900,000	1,100,000	6,498,000
<b>Total</b>	<b>2,453,000</b>	<b>495,000</b>	<b>950,000</b>	<b>600,000</b>	<b>900,000</b>	<b>1,100,000</b>	<b>\$ 6,498,000</b>

### Project Title: System Improvements & Expansion

**System Improvements:** These projects provide for various system improvements and modifications to the existing electric system overhead and underground main and branch feeder circuits. Projects include the replacement and modification of facilities, circuit ties for reliability improvements, voltage conversions, conductor replacement or upgrades, capacitor and sectionalization switches for system performance.

**System Expansion:** These projects provide for various system expansions of the existing electric system overhead and underground main and branch feeder circuits. Projects include the line extensions to new developments, providing new services to residential, commercial or retail business.

**Funding Source:** Funded by utility revenue debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
System Improvements	3,460,000	1,100,000	1,823,000	535,000	1,245,000	900,000	9,063,000
System Expansion	-	1,785,000	600,000	1,550,000	1,200,000	750,000	5,885,000
<b>Total</b>	<b>3,460,000</b>	<b>2,885,000</b>	<b>2,423,000</b>	<b>2,085,000</b>	<b>2,445,000</b>	<b>1,650,000</b>	<b>\$ 14,948,000</b>

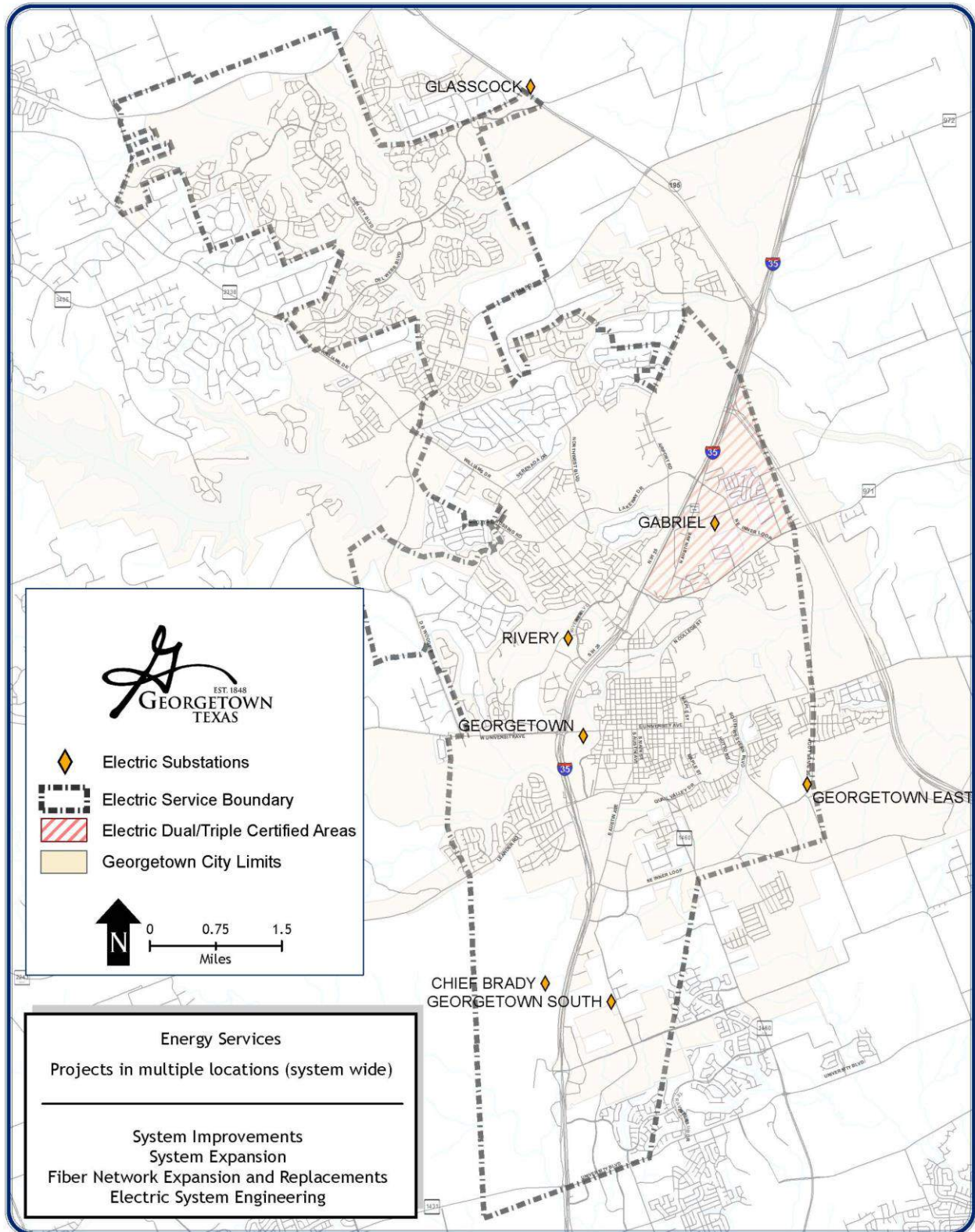
### Project Title: Operational System Expansion

**Project Description:** These projects provide for various system expansions of the existing electric system over head and underground main and branch feeder circuits. Projects include the line extensions to new developments providing new service to residences, commercial or retail business.

**Funding Source:** Funded by cash fromn Electric Utility.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Operational System Expansion	1,040,000	2,718,000	1,923,000	1,923,000	1,923,000	1,923,000	11,450,000
<b>Total</b>	<b>1,040,000</b>	<b>2,718,000</b>	<b>1,923,000</b>	<b>1,923,000</b>	<b>1,923,000</b>	<b>1,923,000</b>	<b>\$ 11,450,000</b>

# ENERGY SERVICES FUND CAPITAL IMPROVEMENT PROGRAM MAP



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April 2014

## FACILITIES CAPITAL IMPROVEMENT PLAN

### FACILITIES

#### CAPITAL IMPROVEMENT PLAN

The facilities CIP is calls for developing and/or redeveloping city-owned facilities to accommodate the needs of staff and the public. The major projects outlined in the CIP include completing the Public Safety Training and Operations Center, completing the City Center plan, and ensuring accessibility to all facilities.

#### FACILITIES PLAN

PUBLIC SAFETY FACILITIES  
 GENERAL FACILITIES  
 DOWNTOWN WEST-CITY CTR

### FACILITIES CIP FUND SUMMARY

The Facilities five-year Capital Improvements Program funding comes from a combination of cash contributions, debt funding and interest income. Actual amount of debt issues will be determined upon project timing and available and previously unallocated funds (previous year-end excess funds).

**Public Safety:** The plan includes several major projects to enhance public safety services and response capability. The Public Safety Operations and Training Center (PSOTC) was completed in early 2015. This facility was funded by general obligation bonds approved by voters in May 2011. A tactical building and range will be considered and added in future years. As the City grows and expands its partnership with Emergency Services District #8 (ESD #8), additional fire stations will be required. Two potential fire stations, one to be funded in partnership with the ESD are included; however, these projects are still early in the planning stages.

**General Facilities:** The Georgetown Municipal Complex (GMC) will undergo a remodel in 2016. This project will renovate the entrance of the building for improved customer care interaction and office space efficiency. Additionally, on-going funding will be dedicated to ensure ADA concerns discovered during the City's self-assessment are addressed in a timely manner. Finally, the City will update the city –wide facilities master plan in 2016.

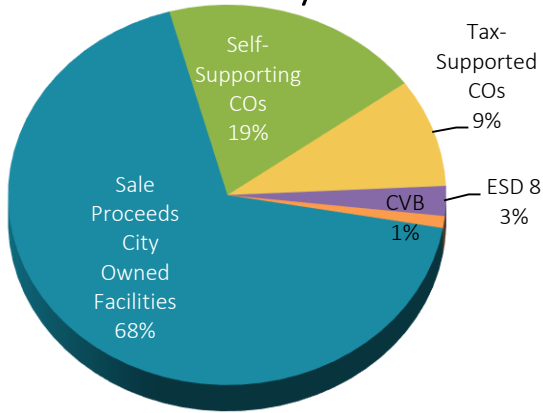
**Downtown West:** With the adoption of the Downtown Master Plan, the City is working towards providing citizens with: an expanded outdoor public space for special events and gatherings; indoor public space for meetings and small performances; an outdoor amphitheater; additional public parking; consolidated city facilities; and renewed investment on the west side of downtown. In FY 2016, the City Center Plan calls for renovating the GCAT building and the 1987 library. Once these facilities are renovated, staff will be relocated from the existing municipal court and city hall. The old city hall building and Visitor Center will then be sold. Design work for turning the current municipal court into the Visitor Center, and the festival space will also be completed in 2016.

**Parking:** To help increase the availability of public parking, a parking garage feasibility study was done in FY2015, implementation of the study is to begin in 2016.

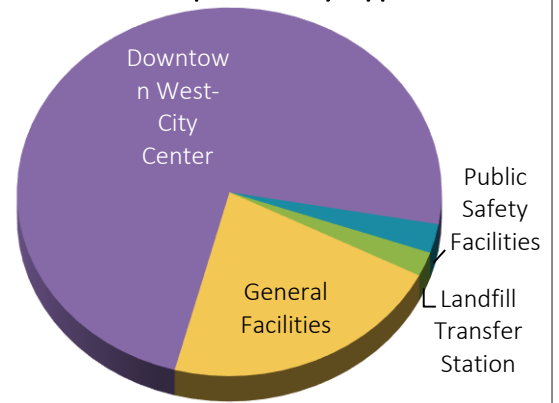
## FACILITIES CIP FUND SUMMARY

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Sources of Funding</b>					
Sale Proceeds City Owned Facilities	6,705,000	2,000,000	-	-	-
Self-Supporting COs	1,900,000	5,800,000	-	-	2,500,000
Tax-Supported COs	912,049	4,580,692	678,741	2,300,000	10,781,000
ESD 8	250,000				
CVB	100,000	400,000	-	-	-
<b>Total</b>	<b>\$ 9,867,049</b>	<b>\$ 12,780,692</b>	<b>\$ 678,741</b>	<b>\$ 2,300,000</b>	<b>\$ 13,281,000</b>
<b>Expenses by Type</b>					
Public Safety Facilities	250,000	2,500,000	-	300,000	4,000,000
Landfill Transfer Station	210,000	-	-	-	-
General Facilities	2,142,049	5,036,692	478,741	-	-
Downtown West-City Center	7,265,000	5,244,000	200,000	2,000,000	9,281,000
<b>Total</b>	<b>\$ 9,867,049</b>	<b>\$ 12,780,692</b>	<b>\$ 678,741</b>	<b>\$ 2,300,000</b>	<b>\$ 13,281,000</b>

**FY2016 Revenues by Source**



**FY2016 Expenses by Type**



## FACILITIES CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Public Safety Operational & Training Center
- ✓ Parking Study

### PROJECTS PLANNED FOR FY2016

- Fire Station #6 (ESD)
- GMC Remodel
- Former PD Renovation
- Former Library Renovation
- Festival / Public Space
- GCAT / Municipal Court Redesign

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- Fire Station #7 Eastside
- GMC Expansion
- Firing Range at PSOTC
- Play Areas
- Lake Plant Data Center
- Plaza
- Amphitheater
- Tensile Structures

### Project Title: Public Safety Facilities

**Project Description:** As the City grows and expands its partnership with Williamson County Emergency Services District #8 (ESD #8), additional fire stations will be required. Two future fire stations are in early planning stages. Station #6 will be in the northwest service area and will be done in partnership with ESD #8, while the eastside station is projected to begin design in FY2018.

**Funding Source:** Funded by Tax-Supported Certificates of Obligation, grants, and interlocal contributions.

NOTE: Fire Station 6 costs to be funded in participation with the ESD #8.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Fire Station 6 ESD	-	250,000	2,500,000	-	-	-	2,750,000
Fire Station 7 Eastside	-	-	-	-	300,000	2,500,000	2,800,000
Emergency Warning System & Signaling Software	700,000	-	-	-	-	-	700,000
Firing Range at PSTOC	-	-	-	-	-	1,500,000	1,500,000
<b>Total</b>	<b>\$ 700,000</b>	<b>\$ 250,000</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 4,000,000</b>	<b>\$ 7,750,000</b>

### Project Title: General Facilities

**Project Description:**

**GMC Remodel:** This project is to remodel the existing front end offices of the GMC to improve space utilization, functionality, and customer interaction.

**GMC Expansion:** This project includes the construction of a new fleet facility along with offices and/or additional shop space and work bays to accommodate operations. The existing fleet facility will be used for Transportation and additional covered storage.

**Lake Plant Data Center:** This project is for the redundant technology access for plant operations.

**Funding Source:** Funded by Self-Supporting Certificates of Obligation.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
GMC Remodel	-	1,900,000	-	-	-	-	1,900,000
GMC Expansion	-	-	3,300,000	-	-	-	3,300,000
Lake Plant Data Center	-	-	1,500,000	-	-	-	1,500,000
ADA Transition Plan	-	242,049	236,692	478,741	-	-	957,482
<b>Total</b>	<b>-</b>	<b>2,142,049</b>	<b>5,036,692</b>	<b>478,741</b>	<b>-</b>	<b>-</b>	<b>\$ 7,657,482</b>



## Project Title: Downtown West - City Center

**Project Description:** With the adoption of the Downtown Master Plan, the City is working towards providing citizens with an expanded outdoor public space for special events and gatherings, indoor public space for meetings and small performances, an outdoor amphitheater, additional public parking, consolidated city facilities, and sparking reviewed investment on the west side of downtown. This will also include expanding the audio/visual resources available in the library for the public and renovating Grace

**Funding Source:** Funded by Certificates of Obligation, CVB funds, and proceeds from the sale of City Facilities.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Downtown West Phase I	-	6,705,000	-	-	-	9,281,000	15,986,000
Council Chambers / CVB Redesign	-	100,000	400,000	-	-	-	500,000
Former PD Renovation	-	-	-	200,000	2,000,000	-	2,200,000
Festival / Public Space	-	460,000	4,844,000	-	-	-	5,304,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 7,265,000</b>	<b>\$ 5,244,000</b>	<b>\$ 200,000</b>	<b>\$ 2,000,000</b>	<b>\$ 9,281,000</b>	<b>23,990,000</b>

## Project Title: Landfill Transfer Station

**Project Description:** The transfer station and closed landfill are owned by the City and operated through a contract with Texas Disposal Systems. The transfer station is where City customers and other outside cities bring their trash and recycling for processing. Having a City run transfer station helps keep customer rates lower through commodity consolidation and decreased transportation for

**Funding Source:** Funded by previously issued Tax-Supported Certificates of Obligation; possible partnerships.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Landfill Transfer Station		210,000	-	-	-	-	\$ 210,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000</b>



Concept drawing for Downtown West.

## GEORGETOWN MUNICIPAL AIRPORT CAPITAL IMPROVEMENTS

### AIRPORT SERVICES CAPITAL IMPROVEMENT PLAN

Airport Services manages, maintains and repairs the City airport. Some of the responsibilities of the Airport department include traffic control, emergency response operations, and hosting special events. Daily responsibilities include inspection of runways for sign repair, pavement management, and removal of sight obstructions.

AIRPORT SERVICES

AIRPORT MASTER PLAN

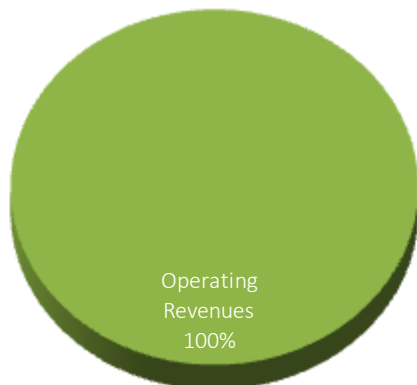
### AIRPORT SERVICES CIP FUND SUMMARY

Airport Services has experienced a growth in demand for maintenance and rehabilitation of the City's runway system.

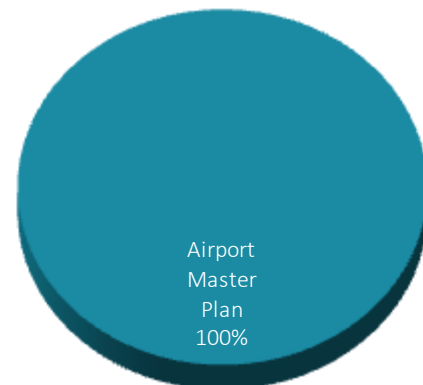
The Airport five year Capital Improvement Program funding comes from a combination of cash contributions and previous year-end excess funds.

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
Tax-Supported Cert of Ob	-	-	-	-	-
Operating Revenues	20,000	-	-	-	-
<b>Total</b>	<b>20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Expenses by Type</b>					
Runway 36 Parallel	-	-	-	-	-
Fuel Farm	-	-	-	-	-
Airport Master Plan	20,000	-	-	-	-
<b>Total</b>	<b>20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Combined 5-Year Est. Funding



FY2016 Expenses by Type





## AIRPORT SERVICES CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Airport Audit

### PROJECTS PLANNED FOR FY2016

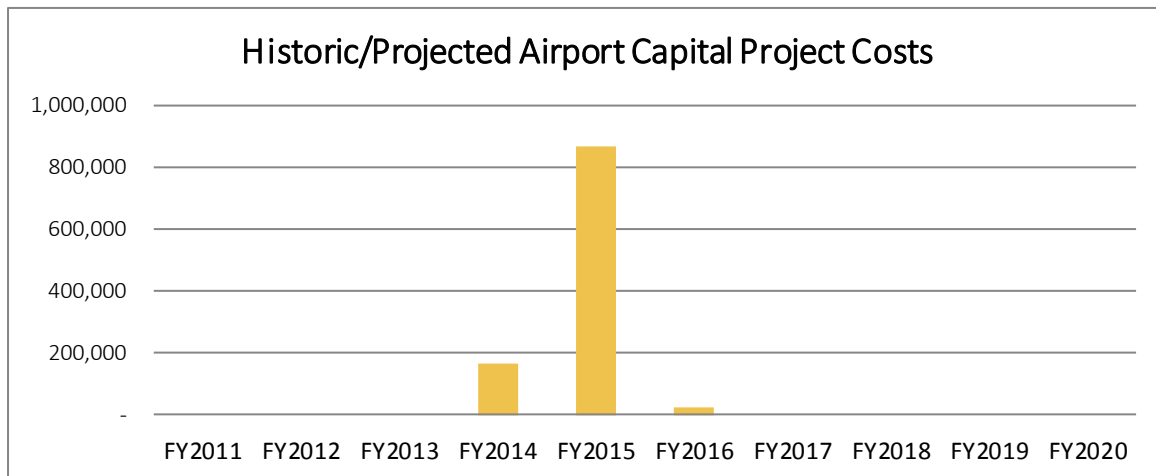
- Airport Master Plan

**Project Description:** Update to the 2005 Airport Master Plan to reaffirm or amend the Century Plan policies, goals and strategies of the plan to the vision and mission statements of the 2030 Plan, and update the short, intermediate and long term projects / actions related to the continued maintenance and development of the airport.

**Funding Source:** Funded by Airport fund

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Runway 36 Parallel	770,000	-	-	-	-	-	770,000
Fuel Farm	100,000	-	-	-	-	-	100,000
Airport Master Plan	-	20,000	-	-	-	-	20,000
<b>Total</b>	<b>870,000</b>	<b>20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$ 890,000</b>

The Master Plan will allow the City to determine future needs at the Airport. It is anticipated, capital improvement projects will increase in the out years following the development and implementation of the Master Plan.



## PARKS CAPITAL IMPROVEMENT PLAN

### PARKS CAPITAL IMPROVEMENT PLAN

In November 2008, voter authorized \$35.5 million in General Obligation bonds for Parks and Recreation projects. The projects and related timings are being evaluated in future years. The City has issued \$7.5 million of this debt for Parks and Recreation projects. The Parks and Recreation CIP projects are based on the Parks Master Plan and direction from the Parks Advisory Board and City Council.



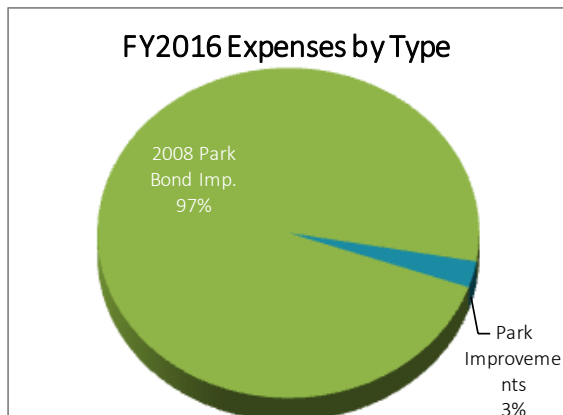
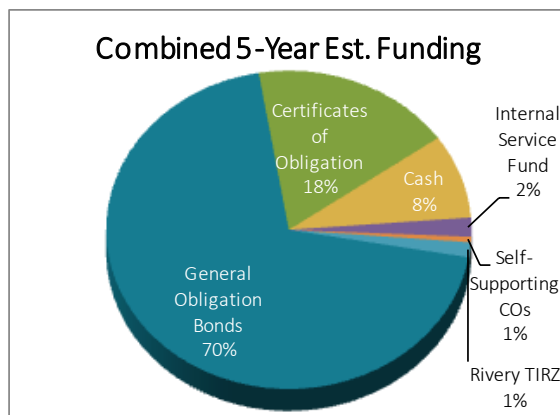
### PARKS CIP FUND SUMMARY

The Parks and Recreation five-year Capital Improvements Program funding comes from a combination of cash contributions, debt funding and interest income. Actual amount of debt issues will be determined upon project timing and available and previously unallocated funds (previous year-end excess funds).

Some of the major bond funded projects include purchase of land for a future West Side Park, hike and bike trail expansion, planning and design for Garey Park, as well as master planning and design for improvements to San Gabriel Park. These projects are based on the Parks Master Plan and direction from the Parks Advisory Board and City Council. In addition, Garey Park construction and phase one of San Gabriel Park renovations are scheduled to begin in FY2016.

### PARKS CIP FUND SUMMARY

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
General Obligation Bonds	4,700,000	6,500,000	4,500,000	1,000,000	1,500,000
Certificates of Obligation	150,000	220,000	900,000	350,000	3,050,000
Cash	1,000,000	60,000	-	-	1,179,000
Internal Service Fund	-	35,000	170,000	9,000	290,000
Self-Supporting COs	-	150,000	-	-	-
Rivory TIRZ	-	-	-	-	395,000
<b>Total</b>	<b>\$ 5,850,000</b>	<b>\$ 6,965,000</b>	<b>\$ 5,570,000</b>	<b>\$ 1,359,000</b>	<b>\$ 6,414,000</b>
<b>Expenses by Type</b>					
Park Improvements	150,000	289,000	1,350,000	350,000	4,573,000
2008 Park Bond Imp.	5,700,000	6,500,000	3,500,000	1,000,000	1,500,000
Park Facilities	-	176,000	720,000	9,000	341,000
<b>Total</b>	<b>\$ 5,850,000</b>	<b>\$ 6,965,000</b>	<b>\$ 5,570,000</b>	<b>\$ 1,359,000</b>	<b>\$ 6,414,000</b>



## PARKS CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ San Jose Splash Pad
- ✓ San Gabriel Park Master Plan
- ✓ Westside Park Master Plan

### PROJECTS PLANNED FOR FY2016

- ADA Transition Plan
- San Gabriel Park Improvements
- Garey Park

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- Blue Hole Park
- Historic Park
- Westside Park
- McMaster Park
- Booty's Park
- New Park Development
- Tennis Center Improvements
- New Trail Development

### Project Title: Park Improvements

**Project Description:** The City is working to complete a comprehensive ADA master plan.

**Funding Source:** Funded by cash, TIRZ Revenue, and Certificates of Obligation.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
ADA Transition Plan (Parks)	-	150,000	150,000	150,000	150,000	150,000	750,000
Bark Park	-	-	-	-	-	105,000	105,000
Bedford Park	-	-	-	-	-	55,000	55,000
Berry Creek	-	-	-	-	-	285,000	285,000
Blue Hole	-	-	-	1,000,000	-	-	1,000,000
Booty's Park	-	-	-	-	-	260,000	260,000
Chautauqua Park	-	-	-	-	-	125,000	125,000
Downtown	-	-	-	-	-	180,000	180,000
Emerald Springs Park	-	-	-	-	-	42,000	42,000
Geneva Park	-	-	-	-	-	117,000	117,000
IOOF	-	-	70,000	-	-	-	70,000
Katy Crossing Park	-	-	-	-	-	132,000	132,000
Kelly Park	-	-	-	-	-	168,000	168,000
McMaster Park	-	-	60,000	-	-	1,179,000	1,239,000
New Park Development	-	-	-	200,000	200,000	-	400,000
Old Town Park	-	-	-	-	-	86,000	86,000
Pinnacle Park	-	-	-	-	-	161,000	161,000
Raintree Park	-	-	-	-	-	50,000	50,000
Randy Morrow Trail	-	-	-	-	-	203,000	203,000
River Ridge Pool	-	-	-	-	-	81,000	81,000
Rivery Park	-	-	9,000	-	-	395,000	404,000
San Jose Park	-	-	-	-	-	50,000	50,000
South San Gabriel Trail	-	-	-	-	-	180,000	180,000
Summercrest Park	-	-	-	-	-	88,000	88,000
University Park	-	-	-	-	-	105,000	105,000
Williams Pool	-	-	-	-	-	38,000	38,000
Windridge Park	-	-	-	-	-	83,000	83,000
Winfred Bonner Trail	-	-	-	-	-	150,000	150,000
Woodlake Park	-	-	-	-	-	105,000	105,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 289,000</b>	<b>\$ 1,350,000</b>	<b>\$ 350,000</b>	<b>\$ 4,573,000</b>	<b>\$ 6,712,000</b>

## Project Title: 2008 Park Bond Improvements

**Project Description:** In 2008, the citizens of Georgetown passed bonds specifically related to Parks Projects identified in the Georgetown Parks, Recreation and Trails Master Plan. This phase of improvements includes renovations to San Gabriel Park and Garey Park.

**Funding Source:** FY2016 projects are funded by voter authorized General Obligation bonds. Future projects will require new debt.

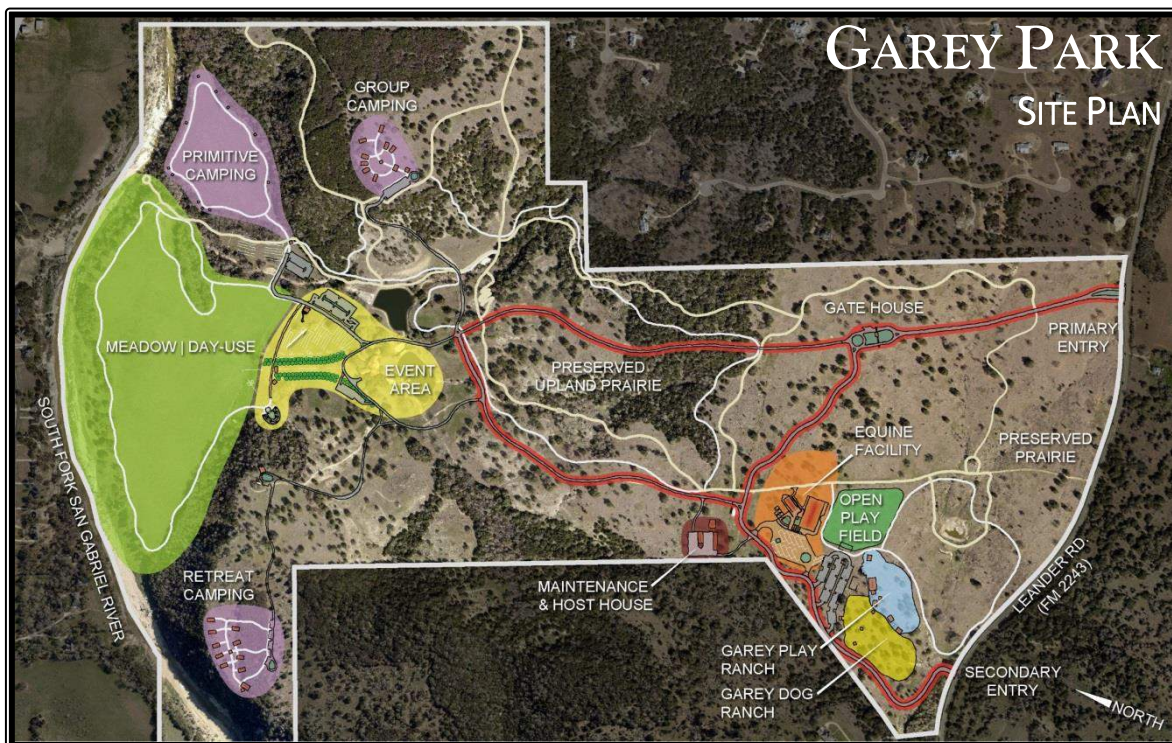
	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
San Gabriel Park Improvements	-	2,700,000	2,000,000	-	-	-	4,700,000
New Trail Development	-	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
Westside Park	-	-	-	-	-	500,000	500,000
Garey Park	-	3,000,000	3,000,000	2,500,000	-	-	8,500,000
Historic Park	-	-	500,000	-	-	-	-
<b>Total</b>	<b>\$ -</b>	<b>\$ 5,700,000</b>	<b>\$ 6,500,000</b>	<b>\$ 3,500,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,500,000</b>	<b>\$ 18,200,000</b>

## Project Title: Park Facilities

**Project Description:** In 2008, the citizens of Georgetown passed bonds specifically related to Parks Projects identified in the Georgetown Parks, Recreation and Trails Master Plan. The P&R board have developed a comprehensive list of all park facilities and equipment needing maintenance and repairs.

**Funding Source:** Funded cash, certificates of obligation, or the internal service fund

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Recreation Center	-	-	26,000	170,000	9,000	290,000	495,000
Tennis Center Drainage Impv	-	-	-	180,000	-	-	180,000
Tennis Center	-	-	-	370,000	-	51,000	421,000
IOOF	-	-	-	-	-	-	-
Cemetery Columbarium	-	-	150,000	-	-	-	150,000
	-	-	-	-	-	-	-
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 176,000</b>	<b>\$ 720,000</b>	<b>\$ 9,000</b>	<b>\$ 341,000</b>	<b>\$ 1,246,000</b>



## STORMWATER DRAINAGE CAPITAL IMPROVEMENTS

### STORMWATER DRAINAGE CAPITAL IMPROVEMENT PLAN

The Stormwater Drainage Utility manages and maintains stormwater infrastructure operations and facilities. Daily responsibilities include drainage and flood control when needed, right-of-way mowing and cleaning, street sign maintenance and street cleaning operations.

#### STORMWATER DRAINAGE SVCS

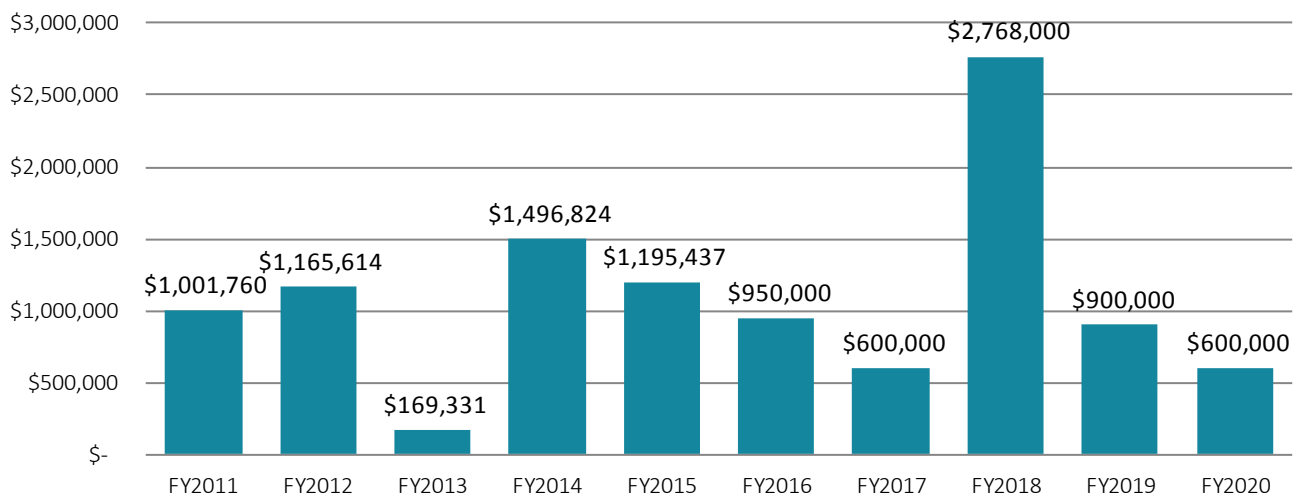
CURB & GUTTER REPLACEMENT  
INFRASTRUCTURE UPGRADES  
FLOOD STUDY  
SERENADA CULVERT IMP.  
NV BLVD DRAINAGE  
AIRPORT RD @ PECAN BRANCH

### STORMWATER DRAINAGE SERVICES CIP FUND SUMMARY

The FY2016 Five-Year Capital Improvement Plan (CIP) includes projects aimed at improving stormwater drainage, erosion control, and the compilation of stormwater assets. The Stormwater department completed the buy-out of eight homes in the Smith Branch area as a mitigation measure against future flood damage.

The Stormwater Drainage Utility has been focusing on meeting the Environmental Protection Agency's (EPA) Phase II regulations and requirements regarding stormwater control in municipalities. In 2016, the City expects to continue efforts to meet the forthcoming stormwater control mandates.

Historic/Projected Stormwater Drainage Capital Project Costs

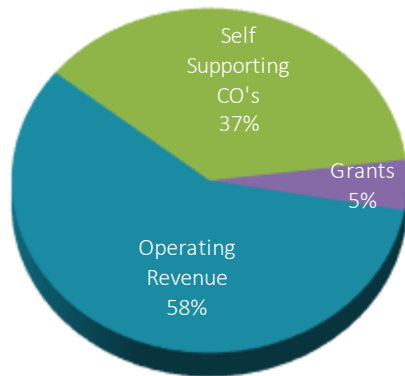


## STORMWATER DRAINAGE CIP FUND SUMMARY

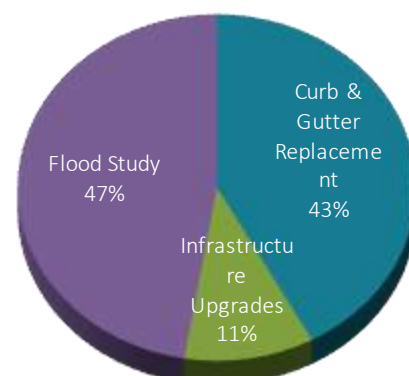
The City will be determining a source of revenue to fund the EPA Phase II regulations, the Regional Stormwater Plan, and other requirements regarding stormwater control within municipalities. The most likely revenue source is through a combination of stormwater fees and developer fees paid in-lieu of onsite detention.

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
Operating Revenue	675,000	600,000	600,000	900,000	600,000
Self Supporting CO's	-	-	2,168,000	-	-
Grants	275,000	-	-	-	-
<b>Total</b>	<b>950,000</b>	<b>600,000</b>	<b>2,768,000</b>	<b>900,000</b>	<b>600,000</b>
<b>Expenses by Type</b>					
Curb & Gutter Replacement & Main Street Drainage	400,000	500,000	500,000	800,000	500,000
Infrastructure Upgrades	100,000	100,000	100,000	100,000	100,000
Smith Branch Buy-outs	-	-	-	-	-
Flood Study	450,000	-	-	-	-
Serenada Culvert Imp.	-	-	500,000	-	-
NW Blvd Drainage	-	-	350,000	-	-
Airport Rd @ Pecan Branch	-	-	1,300,000	-	-
Debt Issuance Cost	-	-	18,000	-	-
<b>Total</b>	<b>950,000</b>	<b>600,000</b>	<b>2,768,000</b>	<b>900,000</b>	<b>600,000</b>

Combined 5-Year Est. Funding



FY2016 Expenses by Type





## STORMWATER DRAINAGE SERVICES CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Smith Branch Buyouts
- ✓ Annual Curb Replacement

### PROJECTS PLANNED FOR FY2016

- Curb & Gutter Replacement
- Infrastructure Upgrades
- Flood Study

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- Serenada Culvert Improvements
- Northwest Blvd Drainage
- Airport Road at Pecan Branch

## Project Title: Miscellaneous Stormwater Drainage Projects

### Project Description:

**\* Curb and Gutter Replacements & Main Street Drainage:** This project will consist of replacing deteriorating stand-up curbs with curb and gutter. Stand-up curbs throughout the City will be evaluated on their condition and their potential to cause damage to roadways. The curbs identified in areas with the poorest drainage are most likely to contribute to road drainage. These curbs will be targeted for replacement. These replacements will save the City from Having to perform much more costly street rehabilitation.

**\*\* Stormwater Infrastructure Upgrades:** Rehabilitation of ponds above and beyond monthly mowing and trash or debris removal. Examples may include dredging of ditches, stormwater boxes or water quality/detention ponds; construction of end treatments, fencing and alterations of existing storm drain features; and removal of filtration devices.

**\*\*\*\* Flood Study:** Staff has applied for a Texas Water Development Board grant to study the North and South Forks of the San Gabriel River. If approved, this will be in partnership with the Cities of Leander and Liberty Hill and with the Counties of Williamson and Burnett. The grant is a 50/50 share. The State would reimburse \$275K and the City would be responsible for the remainder (including in-kind contributions). North and South Fork.

**Funding Source:** Funded by cash from Drainage Utility.

\*\*\* Funded by self-supporting CO debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Curb & Gutter Replacement & Main Street Drainage*	300,000	500,000	500,000	500,000	800,000	500,000	3,100,000
Infrastructure Upgrades**	100,000	100,000	100,000	100,000	100,000	100,000	600,000
Smith Branch Buy-outs ***	2,215,000	-	-	-	-	-	2,215,000
Flood Study****	400,000	550,000	-	-	-	-	950,000
Serenada Culvert Imp.	-	-	-	500,000	-	-	500,000
NW Blvd Drainage	-	-	-	350,000	-	-	350,000
Airport Rd @ Pecan Branch	-	-	-	1,300,000	-	-	1,300,000
<b>Total</b>	<b>3,015,000</b>	<b>1,150,000</b>	<b>600,000</b>	<b>2,750,000</b>	<b>900,000</b>	<b>600,000</b>	<b>\$ 9,015,000</b>





## TRANSPORTATION SERVICES CAPITAL PROJECTS

### TRANSPORTATION CAPITAL IMPROVEMENT PLAN

Transportation Services manages, maintains, and repairs City streets and right-of-way. Responsibilities of the Street Department include traffic control, emergency response operations, special events, and assistance in code enforcement. Daily responsibilities include inspection of roadways for sign repair, pavement management and removal of sight obstructions. Transportation Services has experienced a growth in demand for maintenance and rehabilitation of the City's roadway system.

The Street Department Capital Improvement Budget includes maintenance and rehabilitation of the City's roadway system and support of new transportation construction projects. Funding for maintenance and rehabilitation comes from the City's General Fund and is \$875,000 annually.

#### TRANSPORTATION SERVICES

STREETS REHABILITATION  
ARTERIALS  
REJUVENATE  
CHIP SEAL  
CUTLER PROCESS  
TRANSPORTATION IMP. PLAN

### STREET MAINTENANCE SALES TAX

- November 2002 voter approved quarter-cent sales tax increase, effective April 1, 2003.
- Proceeds can only be used for maintenance of streets existing at the time of election; these monies cannot be used for new construction.
- Revenue from this sales tax equates to approximately \$2 million per year.
- Tax was reauthorized by voters in November 2014.
- Tax will go back to voter for reauthorization again in November 2018.

### GEORGETOWN TRANSPORTATION ENHANCEMENT CORPORATION (GTEC)

- In May 2001, voters approved a 4B half-cent sales tax for transportation improvements that provides economic benefit to the community.
- GTEC approves projects funded through this sales tax.

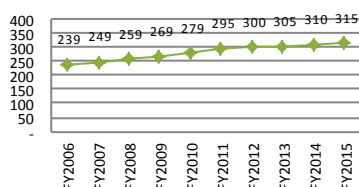
### OVERALL TRANSPORTATION IMPROVEMENT PLAN

- Guides the City's growth and development.
- Georgetown Transportation Advisory Board (GTAB) recommends potential projects to GTEC.
- GTEC approves its annual Transportation Improvement Plan (TIP), which includes projects identified in the City's Overall Transportation Plan (OTP) that meet GTEC eligibility.
- GTEC budget is approved by City Council (not included in this document).
- OTP is reviewed by GTAB which makes recommendations to City Council.
- In November 2008, voters authorized \$46 million in General Obligation debt to be issued for road improvements.

### 2008 VOTER APPROVED TRANSPORTATION BOND ISSUE

- FM 1460 widening from Quail Valley Drive to University Boulevard
  - City works with TxDOT, Williamson County and the City of Round Rock to Secure outside funding to supplement the bond proposal to complete the Right-of-Way (ROW) acquisition
  - Widening rural FM 1460 from two lanes to the four lane arterial with adequate ROW for the ultimate six lanes
  - Project design is complete and let for construction by TxDOT
  - Construction to start early 2015, after utilities have been relocated
- FM 971 improvements at the intersection of North Austin Avenue
  - Designed to improve access and mobility around the site
  - Design is nearing completion

Cumulative Center Line Miles



## 2015 VOTER APPROVED TRANSPORTATION BOND ISSUE

- Goals of the Bond
  - Reduce traffic on Williams Dr. and improve circulation in the gateway area.
  - Reduce traffic on SH 29.
  - Repair sidewalk ADA and safety issues.
  - Reduce congestion and improve traffic flow on Leander Rd.
  - Improve intersection management.
  - Improve accessibility to GISD facilities from Austin Ave. and FM 971.
  - Improve safety and access from SH 29 to Sam Houston Ave.
  - Improve capacity and safety of eastern SH 29.

## HISTORIC DOWNTOWN

- Several rehabilitation projects have focused on the Historic Downtown Square Area
- Efforts continue to maintain and rehabilitate Historic Georgetown and keep pace with the growing community

## GASB 34 – MODIFIED APPROACH

The Governmental Accounting Standards Board (GASB) Statement Number 34 allows for an alternative to depreciation expense for certain infrastructure, termed the *Modified Approach*. The following conditions must be met:

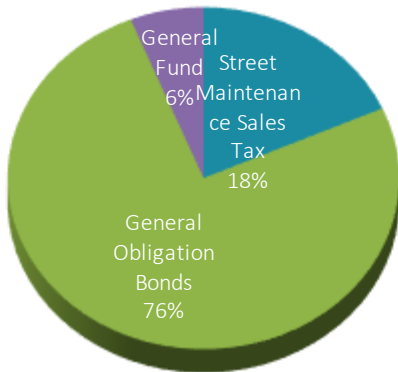
- The government manages the eligible assets using an asset management system to:
  - Keep an up-to-date asset inventory,
  - Perform condition assessments and report the results on a measurement scale, and
  - Estimate the annual amount to maintain and preserve the eligible infrastructure assets at the condition level established and disclosed by the government
- The government must document that the eligible assets are being preserved approximately at or above the condition level established and disclosed by the government.
- The City implemented its pavement management information system in February 2005
- Initial assessment rated Georgetown's street condition as "good" with a 90 Pavement Condition Index (PCI)
- Council has directed staff to incorporate a policy to maintain a minimum average PCI of 85
- Current funding should adequately fund that level of PCI, within Georgetown, for the near future
- PCI for FY2011 was 87.7
- Growth factors could impact that condition over time
- System will be closely monitored and reviewed, in detail, in late 2017

## TRANSPORTATION SERVICES CIP

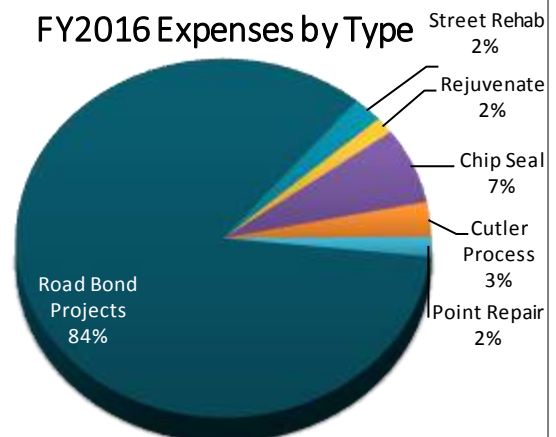
The capital budget includes major rehabilitation of the City's roadway systems. In November 2002, voters first approved a quarter cent sales tax for maintenance of existing City streets. This sales tax revenue provides the majority of funding for street rehabilitation projects. The quarter cent sales tax must be reauthorized by the voters every four years. It will need to be reauthorized in November 2018.

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
Street Maintenance Sales Tax	2,800,000	2,400,000	2,500,000	2,700,000	2,800,000
General Obligation Bonds	20,000,000	1,128,000	11,202,000	11,084,000	11,108,000
Previously Issued Bonds	-	-	-	-	-
General Fund	875,000	875,000	875,000	875,000	875,000
<b>Total</b>	<b>23,675,000</b>	<b>4,403,000</b>	<b>14,577,000</b>	<b>14,659,000</b>	<b>14,783,000</b>
<b>Expenses by Type</b>					
Street Rehab	549,000	856,000	875,000	675,000	-
Arterials	-	500,000	500,000	500,000	500,000
Rejuvenate	350,000	400,000	500,000	500,000	600,000
Chip Seal	1,620,000	400,000	400,000	500,000	500,000
Cutler Process	740,000	819,000	900,000	1,100,000	1,775,000
Point Repair	416,000	300,000	200,000	300,000	300,000
Road Bond Projects	20,000,000	1,111,000	11,184,000	11,068,000	11,091,000
Debt Issuance Cost	-	17,000	18,000	16,000	17,000
<b>Total</b>	<b>23,675,000</b>	<b>4,403,000</b>	<b>14,577,000</b>	<b>14,659,000</b>	<b>14,783,000</b>

Combined 5-Year Est. Funding



FY2016 Expenses by Type



## TRANSPORTATION SERVICES CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ 9<sup>th</sup> Street
- ✓ Cutler
- ✓ Chip Seal

### PROJECTS PLANNED FOR FY2016

- Specific Street Rehabilitation
  - Stadium CR152
  - N Myrtle Street
  - N Church Street
  - CR110
  - Katherine Street
  - 17<sup>th</sup> Street
  - Main Street
  - N Main Street
- Arterials
- Rejuvenate
- Chip Seal
- Cutler Process
- Sidewalks

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- Specific Street Rehabilitation
  - N Myrtle Street
  - N Church Street
  - CR110
  - Katherine Street
  - 17<sup>th</sup> Street
  - Main Street
  - N Main Street
- Arterials
- Rejuvenate
- Chip Seal
- Cutler Process
- 2015 Transportation Bond Phase 1

### Project Title: Road Bond Projects

**Project Description:** In 2014, the City completed a review of the pedestrian network within the right of way in the City limits, as well as a comprehensive accessibility review in the downtown district. The study evaluated the condition, presence of pedestrian infrastructure and need as defined by public input, staff recommendations and legal requirements. The study recommends \$10 million in improvements to the network including \$3.6 million in the downtown district. Recommended improvements support the City's adopted ADA Transition Plan, the Downtown Master Plan, the Parks & Rec Trails Master Plan, the Overall Transportation Plan and the City's Comprehensive Plan. Transportation Services has worked to ensure pedestrian improvements are coupled with street and utility improvements to maximize the City's investment.

**Funding Source:** Funded by Transportation Bonds.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
11th St: Main St-Rock St	-	23,000	128,000	-	-	-	151,000
8th St: Church St-Myrtle St	-	43,000	-	-	-	-	43,000
Austin Ave: 8th St-University Ave	-	14,000	78,000	-	-	-	92,000
Ph1 Signal and Curb Improvements	-	506,000	-	253,000	102,000	-	861,000
7th St	-	56,000	-	-	-	-	56,000
10th St: Main St-Rock St	-	14,000	80,000	-	-	-	94,000
8th St: Austin Ave-MLK Dr	-	15,000	84,000	-	-	-	99,000
Church St: 8th St-9th St	-	123,000	-	-	-	-	123,000
Access to Government Svcs	-	200,000	-	-	-	-	200,000
Other Sidewalks as Determined	-	-	741,000	931,000	966,000	1,091,000	3,729,000
Other Road Bond Projects*		19,006,000	-	10,000,000	10,000,000	10,000,000	49,006,000
<b>Total</b>	-	<b>20,000,000</b>	<b>1,111,000</b>	<b>11,184,000</b>	<b>11,068,000</b>	<b>11,091,000</b>	<b>\$ 54,454,000</b>

\* This includes the SW Bypass

## Project Title: Street Rehabilitation

**Project Description:** Streets listed as subprojects under "Rehabilitation" were identified as being in most need of repair or rehabilitation because of their asphalt and subgrade failures, drainage problems and deteriorating curbs. Subgrade stabilization, valley gutter installation and curb and gutter addition or replacement are combined with surface treatments to bring the pavement condition back into the high 90's.

\* Arterials: Arterials are a higher classification of roadway from residential and collector streets. Arterials are usually built to a higher standard to accommodate a high volume of residential and truck traffic. The heavy vehicles and high volumes on these roads can cause an exponential rate of deterioration when pavement scores begin to fall below acceptable levels. A higher priority is placed on this classification when evaluating scores for the funds to be spent here for treatment and maintenance.

\*\* Rejuvenate: Application of asphalt pavement to provide ultraviolet protection and seal minute cracks and pavement flaws. Restores a uniform dark asphalt color to pavement covering the squeegee lines left after crack sealing. This process, applied to pavement in moderately good condition, can prolong the need for more costly applications. Current year's proposed areas include: River Ridge Dr, Berry Creek Dr, Quail Valley Dr, NE downtown, Western Trail, and Sun City.

\*\*\* Chip Seal: Oil and rock maintenance application to provide a seal and wear protection, sealing current cracks and making a self healing barrier for new cracks. Current year's areas are expected to include: River Ridge Dr, Inner Loop (Churchhill Farms), DB Wood Rd (Public Safety Operational and Training Center to Georgetown Village), Williams Dr (DB Wood to Del Webb), NE downtown, North Georgetown Addition, Lakeway Dr, and Serenada Dr (Luna Trail area).

\*\*\*\* Cutler Process: Streets listed as subprojects under "Maintenance" were identified as being in most need of surface treatments with only minor repairs to roadways. Roadways are evaluated by history, condition, age and type of previous treatments performed. Current year's projects are expected to include: Maple St, Myrtle St, and Church St (University Ave to 2nd St)

\*\*\*\*\* Point Repair: Pavement has normally reached the end of its life and possibly has at least one overlay. Pavement need to be milled down to or below original flow line. Grade point repairs will be made and then resurfaced with a one and one half inch overlay of existing asphalt. This should extend the pavement's life an additional 10 to 15 years. Current year's areas for thin overlay are expected to include:

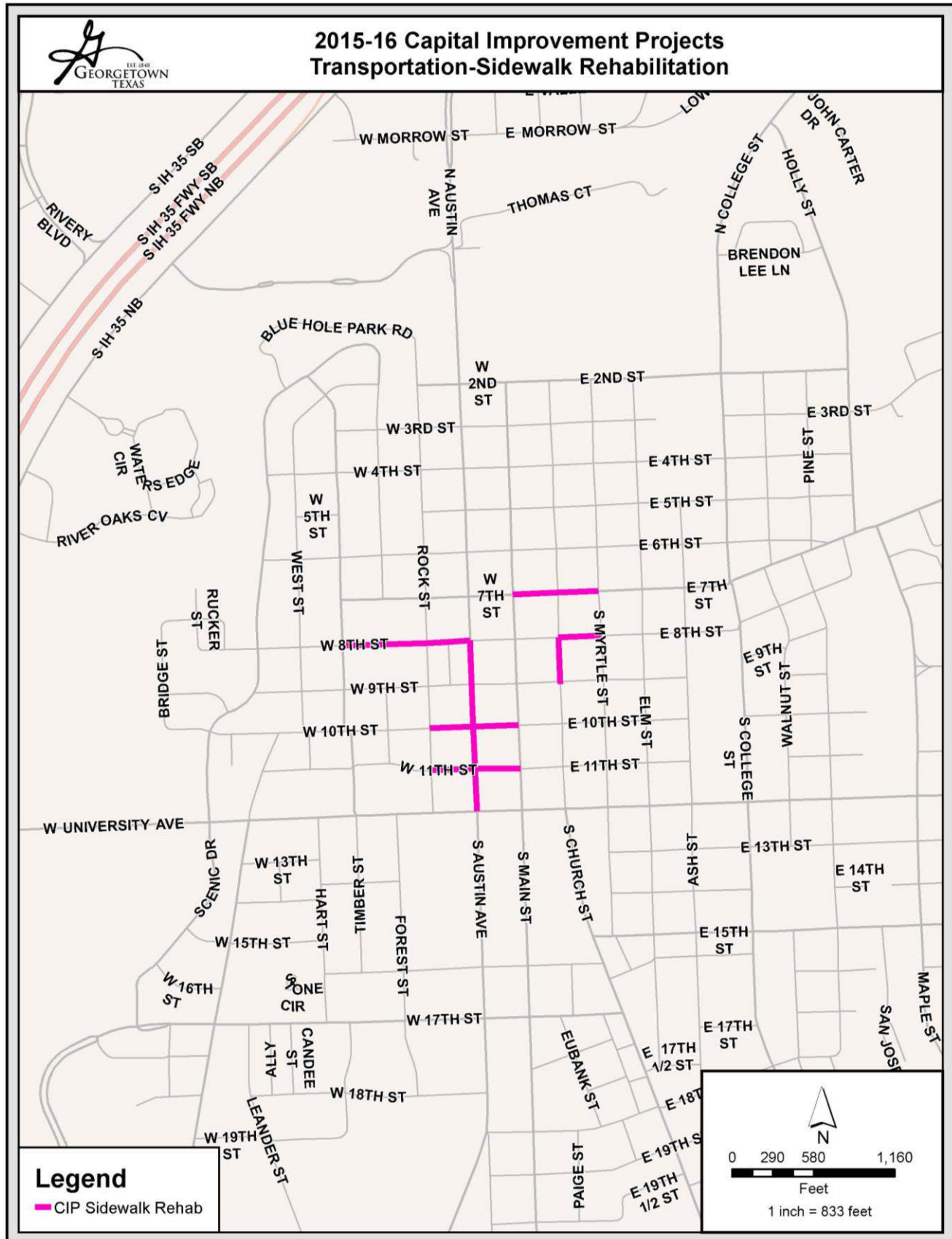
**Funding Source:** Funded by General Fund and Street Maintenance Sales Tax.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Pine St & Holly St Rehab	-	509,000	-	-	-	-	509,000
6th St @ 7th St Imp	-	40,000	175,000	-	-	-	215,000
W 11th St	-	-	416,000	-	-	-	416,000
W. 10th St	-	-	90,000	-	-	-	90,000
17th St	-	-	75,000	350,000	-	-	425,000
Katherine St	-	-	50,000	200,000	-	-	250,000
Hart St	-	-	50,000	250,000	-	-	300,000
Main St	-	-	-	75,000	225,000	-	300,000
East St Stabilization	-	-	-	-	450,000	-	450,000
Arterials *	575,000	-	500,000	500,000	500,000	500,000	\$ 2,575,000
Rejuvenate **	501,000	350,000	400,000	500,000	500,000	600,000	\$ 2,851,000
Chip Seal ***	378,000	1,620,000	400,000	400,000	500,000	500,000	\$ 3,798,000
Cutler Process ****	1,171,000	414,000	800,000	900,000	900,000	900,000	\$ 5,085,000
Point Repair*****	-	742,000	319,000	200,000	500,000	1,175,000	\$ 2,936,000
							\$ -
<b>Total</b>	<b>2,625,000</b>	<b>3,675,000</b>	<b>3,275,000</b>	<b>3,375,000</b>	<b>3,575,000</b>	<b>3,675,000</b>	<b>20,200,000</b>





# SIDEWALK CAPITAL IMPROVEMENT PROGRAM MAP





## WATER SERVICES FUND

### WATER SERVICES CAPITAL IMPROVEMENT PLAN

Georgetown Utility Systems Water Services Utility maintains a Capital Improvement Program (CIP) to address the community's need for superior water, wastewater, and irrigation service. This CIP is determined by many factors including on-going annexation, service improvement, the rehabilitation of aging water and wastewater infrastructure, and the need to meet changing state and federal requirements.

The City operates three water treatment plants and five wastewater treatment plants. Water Services retains ownership of these plants and contracts for their operation. The City's current utilization of its water supply is 35% ground water and 65% surface water.

**More than 100  
years of service!**

### HOW MUCH WATER DO WE TREAT?

Water Treatment MGD	
Lake Water Plant	28.600
San Gabriel Park Plant	6.307
Southside Plant	3.144
<b>Total</b>	<b>38.051</b>
Wastewater Treatment MGD	
San Gabriel Plant	2.500
Pecan Branch Plant	1.500
Dove Springs Plant	2.500
Berry Creek Plant	0.300
Cimarron Hills Plant	0.200
<b>Total</b>	<b>7.000</b>



### GROWTH

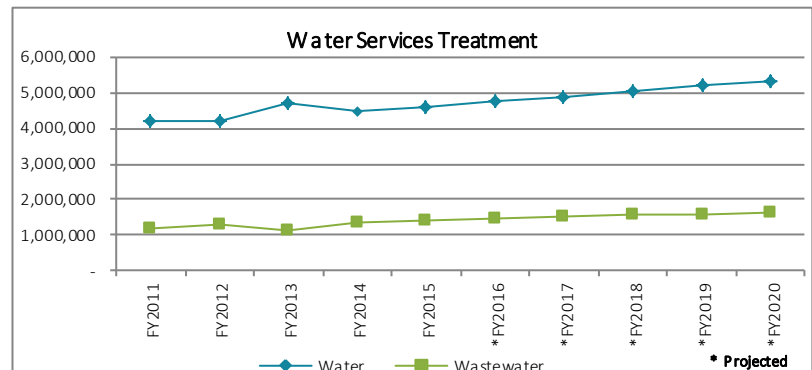
- Population growth drives the need for Capital Improvement.
- Water demand is projected to grow by about 15% over the next 5 years.
- Five-year plan includes expansion of water treatment system capacity to meet peak demand.
- Wastewater flow is expected to grow about 18% over the next 5 years.
- City staff continues to look for ways to improve the current infrastructure, thus, delaying plant expansions whenever possible.

### AGE

- One of the fastest growing issues facing Water Services is the replacement of older water and wastewater system mains.
- Early infrastructure has exceeded its useful life and requires extensive repair or replacement to continue the delivery of reliable service.
- Wastewater improvements being recommended continue the rehabilitation of sanitary sewer mains that may be experiencing inflow and infiltration throughout the City.
- An aggressive sanitary sewer main improvement program eliminates the potential for Sanitary Sewer Overflows (SSO) and allows for the delivery of reliable wastewater service to the community.

### REGULATORY CHANGES

- The City of Georgetown is subject to requirements of the Edwards Aquifer Recharge Zone (EARZ) because 98% of the City is over the EARZ.
- The regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) require testing at least 20% of the collection system every year, thus testing the whole system every 5 years.
- Testing is included in the Wastewater CIP.
- Once problems are identified, the City has 12 months to make repairs.
- A significant portion of the capital budget for the Wastewater Utility is dedicated to inspection and repair of existing mains.



## WATER SERVICES FUND OVERVIEW

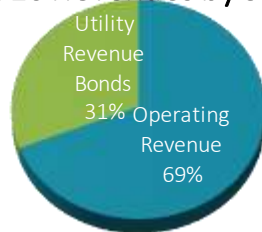
The City's five year Capital Improvement Program funding comes from a combination of cash, debt funding, and impact fees. Actual amount of debt issues will be determined upon each individual year's consideration of actual resources available, coverage requirement and other considerations.

In 2010, the City updated its impact fees. The maximum fees are \$4,714 for water and \$1,694 for wastewater, and \$5,240 for wastewater in South Fork basin. The City Council set the current fees at \$3,511 for water and \$1,694 for wastewater and \$2,927 for wastewater in the South Fork basin. Impact fees will be reviewed as part of the FY2016 budget process.

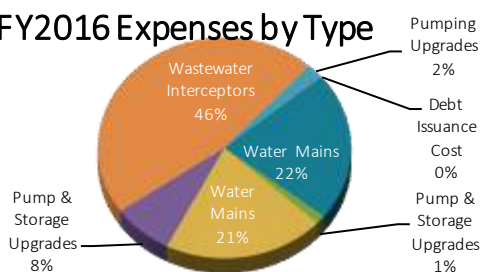
## WATER SERVICES CIP FUND SUMMARY

	FY2016	FY2017	FY2018	FY2019	FY2020
<b>Revenues by Source</b>					
Operating Revenue	17,747,000	24,924,000	12,396,000	16,945,000	21,252,000
Utility Revenue Bonds	8,010,000	-	16,426,000	21,826,000	13,848,000
Impact Fees	-	-	-	-	-
Interest & Other	-	-	-	-	-
<b>Total</b>	<b>\$25,757,000</b>	<b>\$24,924,000</b>	<b>\$28,822,000</b>	<b>\$38,771,000</b>	<b>\$35,100,000</b>
<b>Expenses by Type</b>					
<b>Water</b>					
Water Mains	5,602,000	1,738,000	1,087,000	3,882,000	-
Pump & Storage Upgrades	335,000	7,299,000	5,697,000	480,000	3,230,000
Plant Upgrades & Expansor	-	20,000	3,712,000	11,875,000	11,875,000
<b>Rural Water</b>					
Water Mains	5,294,000	4,296,000	4,051,000	4,842,000	250,000
Pump & Storage Upgrades	2,007,000	-	-	-	-
<b>Wastewater</b>					
Wastewater Interceptors	11,951,000	4,344,000	5,369,000	6,461,000	7,476,000
Pumping Upgrades	568,000	2,019,000	2,908,000	3,799,000	4,957,000
Plant Upgrades	-	5,208,000	5,752,000	7,104,000	7,104,000
Debt Issuance Cost	-	-	246,000	328,000	208,000
<b>Total</b>	<b>\$25,757,000</b>	<b>\$24,924,000</b>	<b>\$28,822,000</b>	<b>\$38,771,000</b>	<b>\$35,100,000</b>

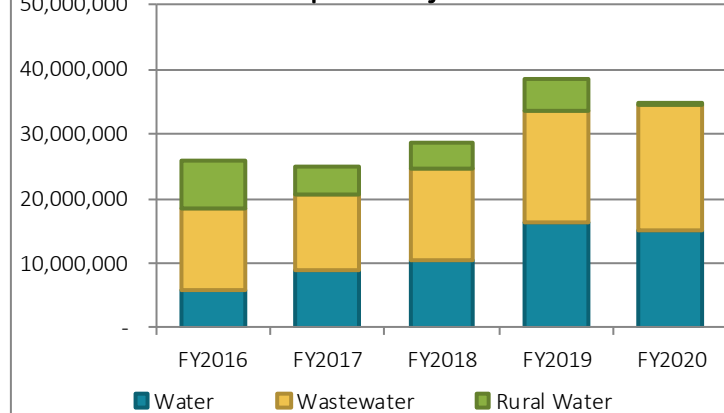
**FY2016 Revenues by Source**



**FY2016 Expenses by Type**



**Water Capital Project Costs**



## WATER CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Utility Master Plan
- ✓ Tin Barn Alley
- ✓ 6<sup>th</sup> St Main to Austin Ave
- ✓ 2<sup>nd</sup> St Main to Austin Ave
- ✓ Property Acquisition for FM 1460

### PROJECTS PLANNED FOR FY2016

- Water-Street Rehab
- Shell Road Water
- Park WTP Pump Station

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- FM 1460 to Maple Water
- Rabbit Hill Water (RH-1)
- West University Avenue
- Park WTP Pump Station
- Park WTP Raw Pump Station
- Tank Rehabilitation
- Park WTP Clearwell
- Treatment Plant Expansion

### Project Title: Water Mains

**Project Description:** Project entails replacement of water lines in the service are to improve firefighting capabilities and eliminate aged, undersized lines. Replacement of lines is coordinated with the Street Department CIP program to replace water lines prior to or during street rehabilitation to minimize the impact of maintenance on upgraded streets.

**Funding Source:** Funded by cash from operations.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Water-Street Rehab	247,000	846,000	330,000	-	-	-	\$ 1,423,000
Shell Road Water (H-3)	1,665,000	4,756,000	-	-	-	-	\$ 6,421,000
West Loop (H-1B) Ph1: Innerspace to Th. Oaks	-	-	1,408,000	-	-	-	\$ 1,408,000
FM 1460 to Maple Water (H-2)	-	-	-	357,000	915,000	-	\$ 1,272,000
Rabbit Hill Water (RH-1)	-	-	-	730,000	2,071,000	-	\$ 2,801,000
West University Ave.	-	-	-	-	896,000	-	\$ 896,000
<b>Total</b>	<b>\$ 1,912,000</b>	<b>\$ 5,602,000</b>	<b>\$ 1,738,000</b>	<b>\$ 1,087,000</b>	<b>\$ 3,882,000</b>	<b>\$ -</b>	<b>\$14,221,000</b>



### Project Title: Pump and Storage Upgrades

**Project Description:** Elevated & Ground Storage Tank, along with pump station expansions will be constructed to meet current and future system demand. Projects consist of the Park Water Treatment Plant high service pump station improvements. This plant improvement is scheduled for removal because of a regulatory issue.

**Funding Source:** Funded by cash from operations.

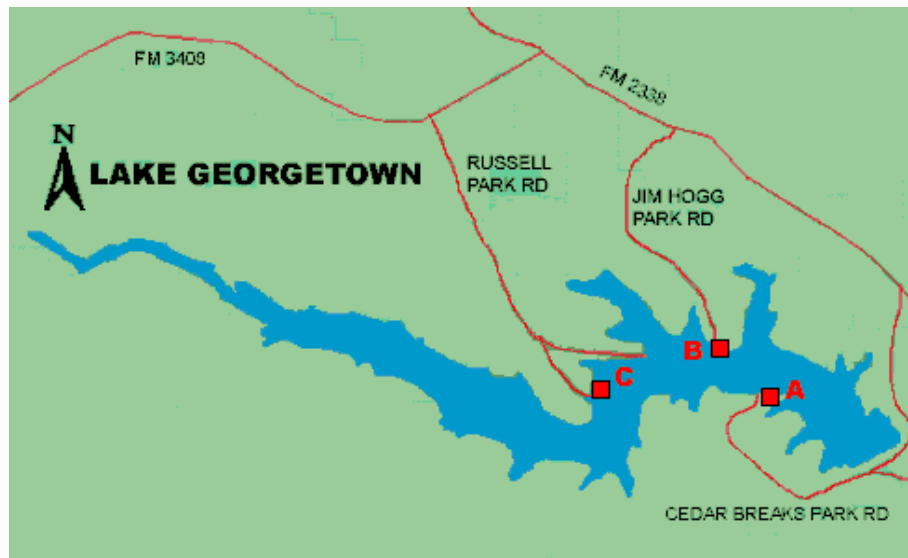
	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Rabbit Hill EST	1,713,000	-	-	-	-	-	\$ 1,713,000
Park WTP Pump Station Exp	-	335,000	5,931,000	-	-	-	\$ 6,266,000
Park WTP Raw Pump Station	-	-	888,000	5,397,000	-	-	\$ 6,285,000
Sun City Elevated Storage Tank	-	-	-	-	-	2,750,000	\$ 2,750,000
Tank Rehabilitation	-	-	480,000	300,000	480,000	480,000	\$ 1,740,000
<b>Total</b>	<b>\$ 1,713,000</b>	<b>\$ 335,000</b>	<b>\$ 7,299,000</b>	<b>\$ 5,697,000</b>	<b>\$ 480,000</b>	<b>\$ 3,230,000</b>	<b>\$18,754,000</b>

### Project Title: Water Treatment Plant Upgrades & Expansion

**Project Description:** This project accounts for the expansion of the existing plants to meet present and future needs of the City. The construction of two additional settling basins, 5 filters, completion of the dewatering facilities, and replacement of the existing intake pumps will add greater capacity to meet the peak irrigation demands of the summer months.

**Funding Source:** Funded by cash from operation and developer contributions.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Park WTP Plant Clearwell	-	-	20,000	150,000	-	-	\$ 170,000
Treatment Plant Expansion	-	-	-	3,562,000	11,875,000	11,875,000	\$ 27,312,000
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 3,712,000</b>	<b>11,875,000</b>	<b>11,875,000</b>	<b>\$27,482,000</b>



## RURAL WATER CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ COG Merger with Chisholm Trail SUD
- ✓ Utility Master Plan
- ✓ FM 1869 & SH 183 Waterline Relocate

### PROJECTS PLANNED FOR FY2016

- Miscellaneous Line Extensions
- Pastor GST Line Upgrade (H-1a14)
- CR200 Line Improvements (CO-1)
- CR 255 (WD 14-2)
- CR 258 (WD 14-3)
- Domel Pump Station Improvements

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- CR 258 (WD 14-3)
- SH 138 (Hoover-2)
- CR 248 (WD 14-4)
- CR 147 (WD 14-1)
- Miscellaneous Line Extensions

### Project Title: Water Mains - Western District

**Project Description:** Project include the addition of new water mains and upsizing of existing water mains to improve service and meet demand for existing and future growth in the Western District.

**Funding Source:** Funded by cash from operations and by utility revenue debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Miscellaneous Line Ext.	-	250,000	250,000	250,000	250,000	250,000	\$ 1,250,000
Pastor GST Line Upgrade (H-1a14)	-	445,000	-	-	-	-	\$ 445,000
CR 200 Line Improvements (CO-1)	-	1,186,000	-	-	-	-	\$ 1,186,000
CR 255 (WD 14 - 2)	-	3,413,000	2,062,000	-	-	-	\$ 5,475,000
CR 258 (WD 14 - 3)	-	-	1,984,000	1,831,000	-	-	\$ 3,815,000
SH 138 (Hoover - 2)	-	-	-	748,000	1,922,000	-	\$ 2,670,000
CR 248 (WD 14 - 4)				642,000	1,403,000	-	\$ 2,045,000
CR 147 (WD 14 - 1)				580,000	1,267,000	-	\$ 1,847,000
<b>Total</b>	\$ -	\$ 5,294,000	\$ 4,296,000	\$ 4,051,000	\$ 4,842,000	\$ 250,000	\$18,733,000

### Project Title: Pump and Storage Upgrades

**Project Description:** Project includes the rehabilitation of existing pump stations to meet the demands of existing customers and future growth in the Western District.

**Funding Source:** Funded by cash from operations and utility revenue debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Domel Pump Station Improve	-	2,007,000	-	-	-	-	\$ 2,007,000
							\$ -
<b>Total</b>	\$ -	\$ 2,007,000	\$ -	\$ -	\$ -	\$ -	\$ 2,007,000



## WASTEWATER CAPITAL IMPROVEMENT PROGRAM

### PROJECTS COMPLETED IN FY2015

- ✓ Utility Master Plan
- ✓ EARZ 2013-2014
- ✓ Public Training Facility off-site WW
- ✓ Property Acquisition for Snead Dr WW
- ✓ Property Acquisition for FM 1460
- ✓ Tin Barn Alley

### PROJECTS PLANNED FOR FY2016

- Wastewater-Street Projects
- EARZ
- Berry Creek Interceptor (BCI-4, BCI-5, and BCI-6)
- Pecan Branch WWTP Interceptor
- Lift Station Upgrades
- Westinghouse Lift Station & Force Main (rebuild)

### LONG-RANGE PROJECTS (5-YEAR CIP PLAN)

- EARZ
- Berry Creek Interceptor (BCI-3)
- San Gabriel Interceptor (SGI-2)
- Lift Station Upgrades
- Westinghouse Lift Station & Force Main (rebuild)
- Berry Creek Lift Station & Force Main (BCI-LS)
- Interceptor Lift Station Decommission (Int-LS)
- San Gabriel Belt Press
- Pecan Branch WWTP Expansion
- Northlands WWTP

### Project Title: Wastewater Interceptors

**Project Description:** Project entails replacement of wastewater lines in the service area to improve flow, add new service, add capacity, and eliminate aged and undersized lines to comply with Edwards Aquifer Recharge Zone requirements. Replacement of lines is coordinated with the Street Department CIP program to replace wastewater lines prior to or during street rehabilitation to minimize the impact of maintenance on upgraded streets. Also, projects include system expansion to promote operational efficiencies and economic growth.

**Funding Source:** Funded by cash from operations and by utility revenue debt.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Wastewater-Street Projects	-	200,000	136,000	-	-	-	\$ 336,000
EARZ	-	2,500,000	2,000,000	1,500,000	1,000,000	1,000,000	\$ 8,000,000
Berry Creek Interceptor (BCI-4)	-	1,489,000	-	-	-	-	\$ 1,489,000
Berry Creek Interceptor (BCI-5)	-	1,533,000	-	-	-	-	\$ 1,533,000
Berry Creek Interceptor (BCI-6)	-	4,272,000	-	-	-	-	\$ 4,272,000
Pecan Branch Interceptor	-	1,957,000	-	-	-	-	\$ 1,957,000
Berry Creek Interceptor (BCI-3)	-	-	2,208,000	3,869,000	3,869,000	-	\$ 9,946,000
San Gabriel Interceptor (SGI-2)	-	-	-	-	1,592,000	6,476,000	\$ 8,068,000
<b>Total</b>	<b>\$ -</b>	<b>11,951,000</b>	<b>\$ 4,344,000</b>	<b>\$ 5,369,000</b>	<b>\$ 6,461,000</b>	<b>\$ 7,476,000</b>	<b>\$35,601,000</b>

### Project Title: Pumping Upgrades

**Project Description:** Project is a multi-year project to upgrade or decommission the City's lift stations (LS). Included are control panel upgrades, SCADA and fiber upgrades, pump upgrades, emergency diesel installation, installation of safety grates, etc.

**Funding Source:** Funded by cash from operations.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Lift Station Upgrades	-	250,000	250,000	250,000	250,000	250,000	\$ 1,250,000
Westinghouse Lift Station & Force Main (Rebuild)	-	318,000	850,000	-	-	-	\$ 1,168,000
Berry Creek Lift Station & Force Main (BCI-LS)	-	-	919,000	2,658,000	2,658,000	-	\$ 6,235,000
Interceptor Lift Station Decommission (Int-LS)	-	-	-	-	891,000	4,707,000	\$ 5,598,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 568,000</b>	<b>\$ 2,019,000</b>	<b>\$ 2,908,000</b>	<b>\$ 3,799,000</b>	<b>\$ 4,957,000</b>	<b>\$14,251,000</b>



## Project Title: Plant Upgrades

**Project Description: San Gabriel Belt Press:** this project is the installation of a 2-meter belt press for sludge dewatering.

**Branch Waste Water Treatment Plant (WWTP):** will be expanded by 1.5MG to meet the compliance of the current capacity and future growth. Future projects consist of other capacity improvements and /or the new Northlands WWTP.

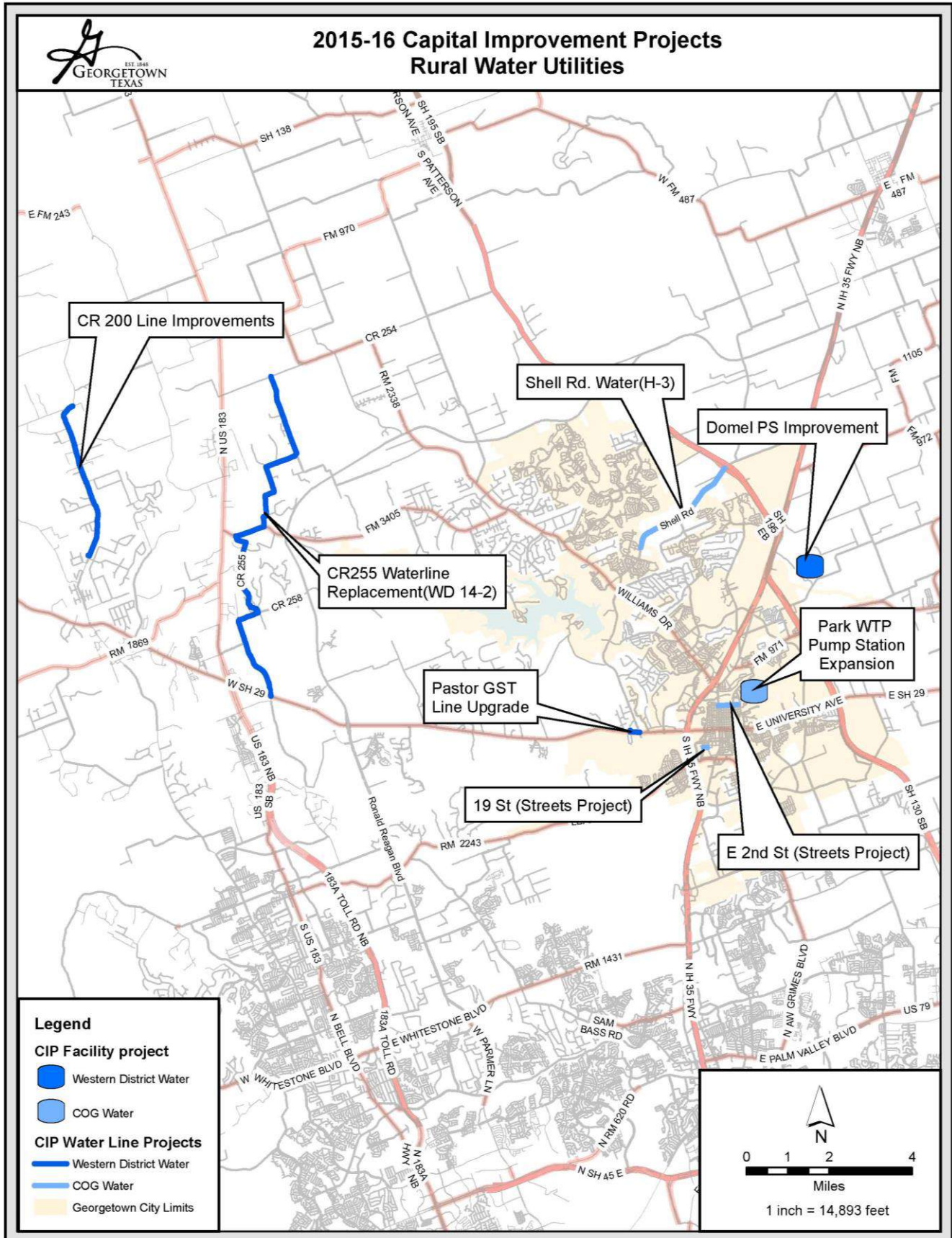
**Funding Source:** Funded by utility system revenue bonds.

	Project to Date	FY2016	FY2017	FY2018	FY2019	FY2020	Total
San Gabriel Belt Press	-	-	1,587,000	-	-	-	\$ 1,587,000
Pecan Branch WWTP Expansion	-	-	3,621,000	3,621,000	-	-	\$ 7,242,000
Northlands WWTP	-	-	-	2,131,000	7,104,000	7,104,000	\$ 16,339,000
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,208,000</b>	<b>\$ 5,752,000</b>	<b>\$ 7,104,000</b>	<b>\$ 7,104,000</b>	<b>\$ 25,168,000</b>





# WATER SERVICES FUND CAPITAL IMPROVEMENT PROGRAM MAP



## ONGOING OPERATIONS AND MAINTENANCE COSTS

Capital improvement projects can affect on-going operations and maintenance of assets, either positively or negatively. Staff, in an effort to anticipate changes in on-going costs, has developed an O&M schedule to properly anticipate these changes.

When certain types of capital projects are developed and completed, they have ongoing financial impacts upon the City's operating budgets. These impacts may be in the form of personnel costs or operating costs, such as maintenance, supplies, electricity, fuel, janitorial services, or new program costs. Conversely, replacement capital projects may reduce the operating impact on the City's current or future budgets if they are improving efficiencies of an existing asset.

Projected O&M impacts, by fund, over the next five years.	FY2016	FY2017	FY2018	FY2019	FY2020
<b>O&amp;M Impacts by Type</b>					
Airport	-	-	-	-	-
Downtown	-	-	-	-	-
Energy Services	(260,000)	(260,000)	(260,000)	(260,000)	(260,000)
Facilities	-	60,000	110,000	110,000	170,000
Parks	-	-	400,000	420,000	420,000
Stormwater	-	-	10,000	10,000	10,000
Transportation	-	-	-	-	-
Water Services	(200,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
<b>Total Impact</b>	<b>\$ (460,000)</b>	<b>\$ (1,200,000)</b>	<b>\$ (740,000)</b>	<b>\$ (720,000)</b>	<b>\$ (660,000)</b>

**Airport:** Currently, staff is redeveloping the Airport's master plan. In this fiscal year, there are no anticipated O&M impacts related to capital projects. This projection will adjust as the master plan and capital improvement plan for the airport are refined.

**Downtown:** All proposed projects in the downtown area will be maintained and operated using existing resources.

**Energy Service:** The installation and completion of proposed system improvements energy service deliver, including substation and communication upgrades, modifications to facilities and circuit ties, and the expansion of the system to new developments is anticipated to result in a savings of \$260,000 annually.

**Facilities:** The maintenance required for new facilities in FY2017, including the Lake Plant Data Center, the remodel of the Georgetown Municipal Complex, and the park space in Downtown West will result in \$60,000 of on-going needs. In FY2018, Fire Station 6 will require \$50,000 of annual maintenance. Finally, in FY2020 an additional \$60,000 will be needed to maintain Fire Station 7 and a new firing range at the Public Safety Training and Operations Center.

**Parks:** Garey Park is anticipated to be open in FY2018. O&M for the park is \$400,000. This is in addition to entrance and rentals fees that will be collected, which will offset some costs. Additionally, new trails will be added and open in FY2019, requiring \$20,000 of on-going maintenance.

**Stormwater:** With the completion of the Airport Road improvements, as well as other drainage improvements identified in the capital improvement plan, beginning in FY2018 there will be a need for an additional \$10,000 annually for curb and gutter maintenance.

**Transportation:** On-going and increased transportation operations and maintenance needs are covered by a dedicated street maintenance sales tax. It is anticipated that as Georgetown develops and collects additional sales tax that the increased demands for maintenance will be covered by the ¼ cent sales tax allocation.

**Water Services:** In FY2016, the City approved moving water and wastewater treatment operations in-house. This operations shift is anticipated to save the City \$200,000 in the first year, and \$1 million each year until FY2020.