

## Foreword to the Capital Improvement Plan

In accordance with Clearwater's Financial Management Ordinance, the six-year Capital Improvement Program has been reviewed and updated for the 2016/17 Budget. The following pages describe the projects and show their projected timing and funding sources, as well as any additional operating costs.

The purpose of the Capital Improvement Program is to plan and better manage growth. During one of the recent State legislative sessions, the State of Florida relaxed the rules on growth by removing state government oversight of the comprehensive planning process. Still, the City of Clearwater continues the use of a formal Capital Improvement Program that has been in existence since fiscal year 1974/75, during that time local planning was poor. The Capital Improvement Plan provides the mechanism to implement the capital portion of the City Comprehensive Plan, providing a proven means to review and maintain the Cities infrastructure.

## Clearwater's Capital Improvement Program

This document includes a total of \$79,266,100 in projects for fiscal year 2016/17 and a six-year total of \$470,786,410.

### Penny for Pinellas Projects

The City has an ordinance requirement for a special hearing on Penny for Pinellas funded projects annually, prior to the adoption of the capital improvement budget, and at any time in which there is a proposed change to Penny for Pinellas project funding of \$500,000 or more. The City's most recent annual public hearing was held on September 15, 2016, and a revised plan was approved formally at that meeting.

The Council approved a four-year plan instead of a six year plan, since Penny III cycle ends in fiscal year 2020, and the Penny IV cycle (2020 – 2030) won't be voted on until November 2017. The plan includes \$42.1 million of Penny for Pinellas III projects over the next four years, including \$12.8 million of projects in fiscal year 2016/17. The following Penny projects appear for the first time in the six-year capital improvement plan.

- City Emergency Operations (EOC) and Disaster Recovery Facility Expansion – This new project, with a total Penny funded budget of \$3,360,000, will provide for the creation of an EOC for mission critical operations at the existing training facility. The build out will provide for a new CAT-5 data center, emergency call center and communications studio to support mission critical City operations during emergency or disaster conditions.
- Ladder Truck Replacement – This project, with a total Penny funded budget of \$1,155,820, will provide for the purchase and equipping of a replacement aerial unit for one of the three (3) existing Pierce Aerial vehicles in fiscal year 2018. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater District.
- Fire Boat – This new project, with a total Penny funded budget of \$650,000, will provide for the replacement of the Fire Department's Marine 44 in fiscal year 2017. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater District.

# Capital Improvement Plan - Introduction

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- Woodgate Park Renovation – This new project, with a total budget of \$450,000, will provide for improved parking facilities, three new basketball courts, and renovation to existing restrooms. The Penny funding portion in the amount of \$450,000 will be utilized in fiscal year 2017/18.
- Del Oro Park Renovations – This new project, with a total Penny funded budget of \$450,000 planned in fiscal year 2017/18, will provide for new tennis courts; a refurbished playground area; and improvements to existing parking, sidewalks and shelters.
- Long Center Parking Improvements – This new project with a total Penny funded budget in the amount of \$550,000, to be funded in fiscal year 2019, will provide for parking improvements. A portion of the existing green space located on the western portion of the property will be converted to a large parking lot to accommodate approximately 150 to 200 parking spaces.
- Ed Wright Park Renovations – This new project, with a total Penny funded budget of \$490,000, planned in fiscal year 2020, will provide for the renovations to include a new design to allow for more efficient use of the space for parking, picnic areas, and restrooms.
- North East Coachman Park Renovations – This project has been established in the amount of \$300,000, planned for fiscal year 2018, to provide funding for the renovation including the construction of a parking lot and improvement to the disc golf course.

## Penny for Pinellas Changes

- Police Vehicles: The total project funding for the replacement of Police Vehicles has been increased from \$100,000 to \$700,000. This represents an additional \$200,000 in funding for fiscal year 2017 and 2018 to assist in the purchase of additional vehicles for the assigned vehicle program, and adds \$100,000 to fund vehicle replacements in 2019 and 2020.
- Morningside Recreation Center: The total project budget has been increased by \$250,000 for a new total of \$2,830,000. This increased funding will provide for necessary renovations to the Morningside Pool that weren't included in the original project budget.
- Crest Lake Park Improvements: This project provides for sidewalk/path improvements; park amenities for example water fountains, benches and bike rack; restrooms; additional parking and landscaping improvements. Funding in the amount of \$850,000 in fiscal year 2017 and \$750,000 in fiscal year 2019 will be funded from the Neighborhood Parks Renovations project.
- Neighborhood Parks Renovations: This project is decreased by \$3,840,000 to provide funding for the following projects.
  - 1) Crest Lake Park Improvements project funding of \$1,600,000.
  - 2) North East Coachman Park Renovations project funding of \$300,000.
  - 3) Woodgate Park Renovations funding of \$450,000.
  - 4) Del Oro Park Renovations funding of \$450,000.
  - 5) Long Center Parking Improvements funding of \$550,000.
  - 6) Ed Wright Park Renovations funding \$490,000.

## Project Highlights

Other significant projects that are appearing for the first time in the six-year Capital Improvement Plan include the following:

### Second Century Clearwater

This new section has been added to the Six Year CIP budget to reflect all of the projects identified as Second Century Clearwater section in support of the City of Clearwater's strategies and actions that are deemed to be catalysts for redevelopment and reinvestment in their respective areas. The projects listed in this new section have been derived from strategies and actions identified in the East Gateway District Vision Plan, the North Marina Area Master Plan, the Clearwater Comprehensive Boating Plan and the Waterfront/Bluff Master Plan.

- East Gateway District
  - Festival Core: This new project provides funding for the creation of a central gathering place where the community can come together for events and activities. It is envisioned that this will be a place with arts, markets, festivals and special events. Funding for fiscal year 2020 will be Community Redevelopment Agency (CRA) dollars in the amount of \$1,000,000.
- North Marina Area Master Plan
  - Seminole Boat Launch Improvements: This new project provides funding for the initial repaving of the parking lot and repair of the launch area, dock expansion, lighting updates, and enhanced gateways from Seminole to Osceola. Funding for fiscal year 2017 will be General Fund revenue in the amount of \$1,652,000 and funding in fiscal year 2018 in the amount of \$4,786,000 has yet to be determined.
  - Redesign Fort Harrison/Myrtle Avenues: This new project provides funding for the redesign of Fort Harrison and redesign apex at Fort Harrison and Myrtle Avenue. Funding for fiscal year 2019 in the amount of \$2,000,000 has yet to be determined.
  - Trail Upgrades: This new project provides funding for improvements for the Pinellas Trail in the North Marina Area section. This project will create more of a "Linear Park" appearance, encourage private investments, and better integrate the trail and related North Marina Master Plan improvements with the surrounding neighborhood. Funding for fiscal year 2020 in the amount of \$800,000 has yet to be determined.

Other significant Capital Improvement Program projects are as follows.

Long Center Infrastructure Repairs: This existing repair and replacement project, funded with General Fund revenues, is being increased in fiscal year 2017 by \$882,600 to provide funding for the major renovations to include the pool shell, tile, decking around the pool and new drainage system for the therapeutic pool.

Bright House Field Infrastructure Repairs / Improvements: This existing repair and replacement project, funded with General Fund revenues, is being increased by \$350,000 in fiscal year 2017 and \$1,060,000 in 2018 to address major capital repairs needed based on a capital improvement reserve study completed in 2015.

## Capital Improvement Plan - Introduction

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Gas System – Pinellas Building: This existing project reflects planned funding of \$12,500,000 in fiscal year 2017 and \$7,500,000 in fiscal year 2018, utilizing Gas revenues, to provide for the complete renovation and replacement of all buildings on at the Gas System property off of Myrtle Avenue.

Solid Waste CNG Stations: This new project provides funding for preliminary site work to include but not limited to geotechnical surveys, land surveys, and preliminary design needed for a new compressed natural gas (CNG) vehicle refueling station at the Solid Waste Complex. Funding is planned for \$1,500,000 in fiscal year 2018 utilizing Solid Waste revenue.

Fleet Management and Mapping: This new project provides funding for the purchase of the necessary equipment to include computer hardware and software that will improve the way the City accounts for its vehicles, vehicle maintenance, fuel dispensing and usage, and driving habits. Funding for this project will be provided by Garage Fund revenues for fiscal year 2017 in the amount of \$320,000.

Municipal Services Building (MSB) Renovations: This new project provides funding for major renovations to the MSB that may include carpeting, updated cubicles/office space allocations, and security enhancements throughout the building. Funding for this project will be provided from General Fund revenues for fiscal year 2017 in the amount of \$100,000 and \$350,000 in fiscal year 2018.

### Administration of the Capital Improvement Fund

#### Policies and Procedures

Capital Projects are utilized to account for resources used in the acquisition and construction of capital facilities and fixed assets. The City Council adopts the first year, fiscal year 2016/17, of the six-year Capital Improvement Program as the Capital Improvement Budget. The appropriation of annual transfers to the Capital Improvement Fund is included in the budget of the specific source fund. Individual project budgets for the Capital Improvement Program are approved on a multi-year program basis and do not lapse at year-end.

#### Authorization

The City of Clearwater Code of Ordinances, Chapter 2 (Section 2.516), sets forth the requirements for a Capital Improvement Program and Budget.

#### Responsibility

It is the responsibility of the department director charged with delivery of specific City services to anticipate the need for capital improvement expenditures in advance of having to initiate projects. This enables the development of a long-range financial plan to fund these needs. Further, it is the responsibility of the department director to ensure the long-range capital objectives interface and are consistent with the City of Clearwater's Long-Range Comprehensive Plan and the City of Clearwater's Vision and Strategic Direction.

#### Rate Studies

This six-year Capital Improvement Plan includes all projects as outlined in the most recent Council approved rate studies for Stormwater, Water & Sewer, Solid Waste and Recycling.

# Capital Improvement Plan - Introduction

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## Definitions

**Capital Improvement Project:** A property acquisition, a major construction undertaking, or a major improvement to an existing facility or property, with a minimum useful life of at least three years and a cost greater than \$25,000.

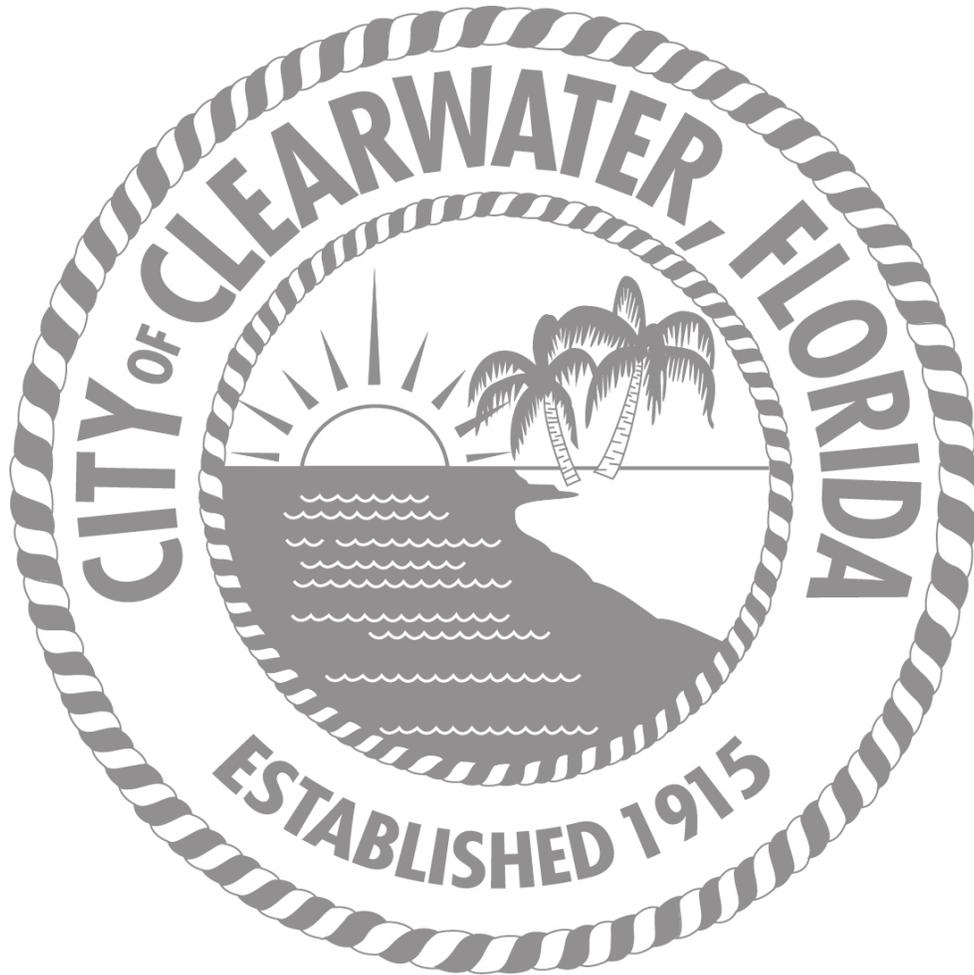
**Capital Improvement Program:** A comprehensive schedule of approved capital improvement projects indicating priority as to urgency of need and ability to finance. The program shall be for a six-year period, the first year of which shall be adopted as the next fiscal year's capital budget. The program shall be revised annually and projected an additional year to allow for changed conditions and circumstances. Each fiscal year, the capital improvement program shall be submitted to the City Council for approval.

**Capital Improvement Budget:** The capital budget covers those approved projects contained in the first year of the six-year capital improvement program. The approved Capital Improvement Budget establishes the total dollar cost of each project and the source of revenue. Any change, which increases the cost of a project or changes the revenue source, must be approved by an amendment through the City Council.

**Ongoing Projects:** Ongoing projects do not automatically lose the previous year's budgeted amount, but are cumulative in nature, i.e., the previous fiscal year's remaining balance is added to the new approved budgeted amount.

**Future Bond Issue: Stormwater and Water & Sewer Projects:**

Some projects may identify a funding source as "Future Bond Issue". These projects have been identified as needed, but currently there is no funding source available. It is anticipated that a future bond issue will provide funding for these projects.



# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SECOND CENTURY CLEARWATER



This section includes both Governmental projects like Transportation and Physical Environment along with Enterprise projects like the Marina. The projects listed below have been derived from strategies and actions identified in the East Gateway District Vision Plan, the North Marina Area Master Plan, the Clearwater Comprehensive Boating Plan and the Waterfront/Bluff Master Plan. Funding for these projects will be funded with Penny for Pinellas revenue, Multi-Modal impact fees and Enterprise funds revenues.

Projects in the Second Century Clearwater section of the six-year plan support the City of Clearwater's strategies and actions that are deemed to be catalysts for redevelopment and reinvestment in their respective areas:



### Foster Community Engagement

- Support healthy community initiatives.
- Prevent blight and support property values through code enforcement.



### Financial Responsibility

- Evaluate additional funding options when appropriate.
- Set priorities and spend money aligned with the Strategic Direction.



### Increase Economic Opportunity

- Foster Industry Sectors.
- Recognize transit oriented development.



### Quality

- Proactively and reinvest in our infrastructure.
- Continuously measure and improve our performance.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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### East Gateway District

92278

#### **Downtown Streetscaping**

	Penny III	2,000,000	2,000,000	2,000,000				6,000,000
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This project will continue the downtown Streetscaping theme completed on Cleveland Street between Osceola and Myrtle Avenues. This project will focus on streets within the downtown area between Court and Drew Streets and between Myrtle and Highland Avenues.

9xxxx

#### **Festival Core**

	CRA				1,000,000			1,000,000
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This project will create a central gathering place where the community can come together for events and activities creating a sense of community. It is envisioned that this will be a place with arts, markets, festivals and special events.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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## North Marina Area Master Plan

This project provides funding for the following improvements. 1) Enhance the Seminole boat ramp function. 2) Activate the waterfront with public realm and paths. 3) Complete streets from Pinellas Trail to the Seminole boat ramp. 4) Build enhance gateways to the marina. 5) Provide Streetscape amenities. 6) Improve street and pedestrian lighting. 7) Improve the Pinellas Trail.

93425

### **Seminole Boat Launch Improvements**

General Fund	1,652,000							1,652,000
T.B.D.		4,786,000						4,786,000

This project provides funding for the initial repaving of the parking lot and repair of the launch area, dock expansion, lighting updates, and enhanced gateways from Seminole to Osceola.

9xxxx

### **Redesign Fort Harrison/Myrtle**

T.B.D.			2,000,000					2,000,000
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This project provides funding for the redesign of Fort Harrison Avenue and redesign apex at Fort Harrison Avenue and Myrtle Avenue.

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### **Trail Upgrades**

T.B.D.				800,000				800,000
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This project provides funding for improvements for the Pinellas Trail in the North Marina Area section. This project will create more of a "Linear Park" appearance, encourage private investments, and better integrate the trail and related North Marina Master Plan improvements with the surrounding neighborhood.

## Comprehensive Boating Plan

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### **Boating Improvements**

T.B.D.								-
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This project provides funding for improvements at the Clearwater Harbor Marina and the Clearwater Beach Marina. The improvement for the Clearwater Harbor Marina entails expanded boat docks and adding a mooring / dinghy dock. The improvements at the Clearwater Beach Marina would include replacement of existing docks with floating docks and provide public restrooms. This project has been identified as a future Penny project.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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**Waterfront / Bluff Master Plan**

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**Waterfront / Bluff Improvements**

CRA

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This project provides funding for the redevelopment and reinvestment to the Waterfront and Bluff areas of Downtown Clearwater. The improvements may include using the Harbor Bridge as Aesthetic Gateway and create a Water Taxi / Ferry which the City has pledged operational support to the Ferry. A master plan is currently underway which will better identify the scope and estimated cost of the project. Funding estimates will come in future years.

936xx

**Coachman Park Redevelopment**

Penny III

5,000,000

5,000,000

This project provides for expansion of Coachman Park. The expansion will allow for a cohesive downtown waterfront as determined by the citizens of Clearwater that would support the economic and development goals of Clearwater.

Comprehensive Plan Objective: (G.1.5) Enhance and maintain the City's unique physical characteristics by making the best use of existing and potential lands and open spaces. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

**Total Second Century  
Clearwater:**

	3,652,000	6,786,000	4,000,000	6,800,000	-	-	21,238,000
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## POLICE PROTECTION

This section includes all major computer technology and equipment needs for the Police Department. All Police Department facility renovations and or new construction would also be included in this section. Equipment and vehicles could be funded with General Fund or Lease Purchase dollars, with the debt funded by the General Fund. In addition, Penny for Pinellas revenue can also fund Police Department vehicles. Any facility renovations and or new construction would typically be funded with Penny for Pinellas revenue.

Projects in the Police Protection section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Efficiency

- Optimize use of employees, assets, and resources.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Ensure timely emergency preparation, response, and recovery.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
91152								
<b>Police District 3 Sub Station</b>	T.B.D.				5,500,000			5,500,000

This project provides for the construction of a two story structure that will house the patrol operations and training facilities. The new structure would replace the Sub-station that was originally constructed in 1983, and the doublewide trailer currently used as the training facility. Included in the training section will be the training complex office, workshop, armory, ammunition room and training classroom. Combining the training facilities and patrol operations into a single structure will release valuable real estate and allow the Police department to take advantage of enhanced training opportunities to address ever changing public safety challenges. It will also provide more flexibility and efficiency within the Patrol and Services Divisions of the Clearwater Police Department.

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<b>Total Police Protection:</b>	-	-	-	<b>5,500,000</b>	-	-	<b>5,500,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## FIRE PROTECTION

This section includes all major equipment and vehicle needs for the Fire Department. All Fire Department facility renovations and or new construction would also be included in this section. Equipment and vehicles could be funded with General Fund or Lease Purchase dollars, with the debt funded by the General Fund. In addition, Penny for Pinellas revenue can also fund a Fire Department vehicle as well as an emergency medical service vehicle. Any facility renovations and/or new construction would typically be funded with Penny for Pinellas revenue.

Projects in the Fire Protection section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Efficiency

- Access public-private organizations and resources when appropriate.



### Quality

- Proactively maintain and reinvest in our infrastructure.
- Continuously measure and improve our performance.



### Financial Responsibility

- Evaluate additional funding options when appropriate.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.
- Ensure timely emergency preparation, response, and recovery.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
91218								
<b>Fire Engine Replacement</b>								
	L/P - General Fund			643,220	668,950		723,540	2,035,710

This project provides for the replacement of one (1) of the eight (8) front line fire engines each year, on average, as they reach the end of their service life as front line units. Engines removed from front-line service may move to the reserve fleet and an older reserve unit may be retired. Maintaining up to date response vehicles along with required equipment, allows the department to maintain its level of service to the community and provide for the safety of our personnel. Funding for replacement is partially reimbursed by the County since the equipment also serves the unincorporated area of the Clearwater Fire District.

Annual Operating Costs: Annual debt service expenditures to be funded by the General Fund.

91229								
<b>Replace &amp; Upgrade Air Packs</b>								
	General Fund	26,000	27,040	28,120	29,240	30,410	31,630	172,440

This project provides for the replacement of breathing apparatus needed for worn or damaged front line units. Funding is included to replace 20 self contained breathing (SCBA) air tanks annually and provide replacement repair parts. Funding is partially reimbursed by the County since the equipment also serves the unincorporated area of the Clearwater Fire District.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## FIRE PROTECTION

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
91236								
<b>Rescue Vehicle</b>								
	L/P - General Fund	240,000	240,000		240,000	240,000	240,000	1,200,000

This project provides for the scheduled replacement of Fire/EMS first response vehicles. Clearwater Fire and Rescue provides EMS services on behalf of Pinellas County and the current contract allows for replacing five (5) rescue units after a minimum service life of five years.

Annual Operating Costs: Annual debt service expenditures to be funded by the General Fund.

91257

### Auto External Defibrillator Program

	General Fund	20,500	20,500	20,500	21,320	22,170	23,060	128,050
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The Department oversees fifty-four (54) biphasic Lifepak AED devices currently in key City facilities such as City Hall, MSB, Libraries, Police, Fire department facilities, and on vehicles and apparatus. Eight (8) units will be replaced each year. Funding for replacement is partially reimbursed by the County since the equipment also serves the unincorporated area of the Clearwater Fire District.

91259

### Radio Replacements

	L/P - General Fund		1,155,000					1,155,000
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Pinellas County Communications has adopted the APCO (International Association of Public Safety Communicators) Project 25 communication standards. This project includes funding in FY 2017/18 for the replacement of 165 radios when the current technology reaches its end of serviceable life. Funding will be partially reimbursed by Pinellas County, as the equipment will help serve any unincorporated resident of the Clearwater Fire District.

91260

### Thermal Imaging Cameras (TIC)

	General Fund	26,030	27,070	28,150	29,280	30,450	31,670	172,650
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This project will provide funding for the replacement of two (2) thermal imaging cameras annually. The department currently uses a number of these units for various fire ground tasks. The most common of these tasks are search and rescue, firefighting and overhaul. The current units are used daily and have proven to be a valuable tool to our department. These units will enhance the service provided to the community and enhance the safety of our firefighters. Funding for replacement is partially reimbursed by the County since the equipment also serves the unincorporated area of the Clearwater Fire District.

91261

### Personal Protective Equipment

	General Fund	199,040	207,000	215,280	223,890	232,850	242,160	1,320,220
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This project provides funding for the complete outfitting of all personnel with the new Personal Protective Equipment (PPE). This project also provides for the National Fire Protection Association (NFPA) 1852 compliance and generates a revolving replacement schedule for the replacement of PPE that has reached its 5-year life expectancy. The Department has 210 sets of PPE gear and would replace 42 sets in an average year. An additional 16 sets are budgeted to replace unrepairable gear damaged during fires. This PPE provides a high degree of protection for our firefighters along with providing many safety features that could assist members in case of an emergency at an incident. The excellent identification that is incorporated in this PPE also assists Incident Commanders with accountability and safety. Funding for replacement is partially reimbursed by the County since the equipment also serves the unincorporated area of the Clearwater Fire District.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## FIRE PROTECTION

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
91263								
<b>Extrication Tools</b>								
	General Fund	56,000			65,000			121,000

This project will provide funding for the upgrade and additional vehicle extrication equipment package that will replace existing units and upgrade equipment to current National Fire Protection Agency (NFPA) recommendations. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater Fire District.

91264								
<b>Fire Hose Replacement</b>								
	General Fund	41,790	43,040	44,330	45,660	47,030	48,440	270,290

This project provides funding to purchase replacement fire hoses. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater Fire District.

91269								
<b>Clearwater Beach Fire Station</b>								
	Penny III	3,905,560						3,905,560

This project will provide funding for the renovation/reconstruction of the existing Clearwater Station #46. This facility will be approximately 53 years old at the time of planned renovation/reconstruction. The facility was not constructed to accommodate a diverse workforce, and the technological changes that have occurred since its construction in 1964. The current geographic location of the station continues to serve the community.

91271								
<b>Fire Boat</b>								
	Penny III	650,000						650,000
	L/P - General Fund				68,000			68,000

This project will provide funding for the replacement of the department's two fire boats, Marine 44 in FY 2017, and Marine 49 in 2020. Marine 44 was purchased in 2008 and Marine 49 was acquired from another city department in 2010. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater Fire District.

Annual Operating Costs: Annual debt service expenditures to be funded by the General Fund.

91272								
<b>Old Fire Station 45 Demolition</b>								
	General Fund	100,000						100,000

This project will provide funding for the demolition of the "Old" Clearwater Fire Station #45. The station has been vacated and the site will be prepared for other usage.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## FIRE PROTECTION

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
912xx								
<b>Lakeview Fire Station</b>								
	Penny III		400,000	3,798,460				4,198,460

This project will provide funding for the renovation/reconstruction of the existing Clearwater Station #47. This facility will be approximately 45 years old at the time of planned renovation/reconstruction. The facility was not constructed to accommodate a diverse workforce, and the technological changes that have occurred since its construction in 1974. The current geographic location of the station continues to serve the community.

912xx								
<b>Ladder Truck Replacement</b>								
	Penny III		1,155,820					1,155,820
	L/P - General Fund					1,592,800		1,592,800

This project will provide funding for the purchase and equipping of a replacement aerial unit for one of the three (3) existing 2006 Pierce Aerial vehicles in FY 2017/18 and a second 2006 unit in FY 2020/21. Funding will be partially reimbursed by the County, as the equipment will help serve any unincorporated residents of the Clearwater Fire District.

Annual Operating Costs: Annual debt service expenditures to be funded by the General Fund.

<b>Total Fire Protection:</b>	<b>5,264,920</b>	<b>3,275,470</b>	<b>4,778,060</b>	<b>1,391,340</b>	<b>2,195,710</b>	<b>1,340,500</b>	<b>18,246,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MAJOR STREET MAINTENANCE

This section includes all major street maintenance projects for the City. Projects in this section are normally funded with Local Option Fuel Tax and/or Road Millage. As defined by Florida Statutes, Local Option Fuel Tax proceeds can be used for roadway and right-of-way maintenance, as well as bridge maintenance and operations. Road Millage revenues are established each year by Council policy and must be used to maintain the City's sidewalks and streets. Sidewalks are maintained to comply with American with Disabilities Act (ADA) requirements, to provide new sidewalks where requested and to repair and replace existing sidewalks on an as-needed basis. The goal of the street maintenance program is to maintain an overall roadway network Pavement Condition Index (PCI) of 70 for city maintained streets.

Projects in the Major Street Maintenance section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### **Increase Economic Opportunity**

- Continue building a business friendly environment.



### **Develop and Promote our Brand**

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### **Quality**

- Proactively maintain and reinvest in our infrastructure.



### **Financial Responsibility**

- Set priorities and spend money aligned with the Strategic Direction.



### **Safety**

- Reinforce standing as a safe community, especially with visitors.

<b>Project # / Project Name</b>	<b>Funding Source</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>2021/22</b>	<b>Total</b>
92274								
<b>Bridge Maintenance &amp; Improvements</b>								
	Fuel Tax	1,175,000	1,186,750	1,186,750	1,186,750	1,186,750	1,186,750	7,108,750
	Penny III	133,000	133,000	133,000	137,000			536,000

This project provides for a continuous, annual maintenance program to keep the City's bridges inspected and in good repair as well as providing for the complete replacement of bridges as necessary.

Comprehensive Plan Objective: (B.2.1) Roadway improvements to obtain desired Levels of Service must be included in City capital budgets. The City shall actively participate, on a continuing basis, with both the staff and elected official support, in the preparation, adoption and implementation of transportation plans and expenditure programs of the M.P.O., P.S.T.A., Board of County Commissioners, and the F.D.O.T.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MAJOR STREET MAINTENANCE

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92276								
<b>Traffic Calming Program</b>								
	Fuel Tax	25,000	150,000	150,000	150,000	150,000	150,000	775,000
	Multi-Modal Impact	150,000						150,000
	Penny III	170,000	170,000	170,000	170,000			680,000

This project is to promote traffic calming within Clearwater neighborhoods and establishment of a methodology for implementation. Traffic calming serves to reduce speeding and deter cut-through traffic, resulting in safe neighborhoods for pedestrians and vehicular traffic. These projects provide comprehensive neighborhood solutions using various traffic calming elements as deemed necessary for the particular location. Neighborhood involvement from the beginning is crucial to the success of traffic calming projects. City staff is to implement in succeeding years through capital programming. Specific projects in FY 2016/17 will include the start of Greenlea Otten.

Comprehensive Plan Objective: (A.6.5.2) On an ongoing basis, the City shall explore traffic calming techniques in the effort to improve safety and promote a livable environment within the City's residential and tourist areas.

92277

### Streets & Sidewalks

Road Millage	2,175,420	2,175,420	2,175,420	2,175,420	2,175,420	2,175,420	2,175,420	13,052,520
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This project provides continuous maintenance for deterioration prevention of City streets and sidewalks. Various street maintenance methods are employed, however the most common maintenance technique is milling and overlaying. Work on streets include curb repair, replacement and striping. The project also provides for the maintenance, repair and construction of sidewalks on a continuous, as needed basis.

Comprehensive Plan Objective: (B.2.1) Roadway improvements to obtain desired Levels of Service must be included in City capital budgets. The City shall actively participate, on a continuing basis, with both the staff and elected official support, in the preparation, adoption and implementation of transportation plans and expenditure programs of the M.P.O., P.S.T.A., Board of County Commissioners, and the F.D.O.T.

<b>Total Major Street Maintenance:</b>	<b>3,828,420</b>	<b>3,815,170</b>	<b>3,815,170</b>	<b>3,819,170</b>	<b>3,512,170</b>	<b>3,512,170</b>	<b>3,512,170</b>	<b>22,302,270</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SIDEWALKS

This section includes all new sidewalk construction projects. These projects are traditionally funded Road Millage or Penny for Pinellas revenue.

Projects in the Sidewalks section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### **Increase Economic Opportunity**

- Continue building a business friendly environment.



### **Develop and Promote our Brand**

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### **Quality**

- Proactively maintain and reinvest in our infrastructure.



### **Financial Responsibility**

- Set priorities and spend money aligned with the Strategic Direction.



### **Safety**

- Reinforce standing as a safe community, especially with visitors.

<b>Project # / Project Name</b>	<b>Funding Source</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>2021/22</b>	<b>Total</b>
92339								
<b>New Sidewalk Construction</b>								
	Penny III	472,000	472,000	472,000	473,250			1,889,250

This project provides for construction of new sidewalks and ADA Upgrades throughout the City. Locations will be prioritized from the City streets, which are identified in the City Bicycle and Pedestrian Master Plan and as requested by residents.

Comprehensive Plan Objective: (A.6.8.5) Provide easy access to residential, commercial and recreational areas by providing direct routes such as trails and continuous sidewalks between destinations, in order to minimize potential conflicts between pedestrians and motor vehicles.

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<b>Total Sidewalk:</b>	<b>472,000</b>	<b>472,000</b>	<b>472,000</b>	<b>473,250</b>	<b>-</b>	<b>-</b>	<b>1,889,250</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## INTERSECTIONS

This section includes improvements to intersections as well as new signal installation and signal renovation. These projects are funded with Multi-Modal Impact Fees, Road Millage and Local Option Fuel Tax. The Local Option Fuel Tax funding in the Signal Renovation project is used in conjunction with major intersection improvements and road widening projects. The Multi-Modal Impact Fee revenue is required to be used for capital improvements and the expansion of transportation facilities. Local Option Fuel Tax proceeds can be used for roadway and right-of-way maintenance.

Projects in the Intersection section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92559								
<b>City-Wide Intersection Improvements</b>								
	Fuel Tax	50,000	1,990					51,990
	Road Millage		45,000	30,410	30,400	30,390	30,390	166,590

The project provides intersection improvements of a minor nature to facilitate traffic flow, such as radii, right turning lanes, and minor channelization, which often accompany the new signalization of an intersection. May also include the installation of speed humps and/or tables and signage.

Comprehensive Plan Objective: (B.2.1) Roadway improvements to obtain desired Levels of Service must be included in City capital budgets. The City shall actively participate, on a continuing basis, with both the staff and elected official support, in the preparation, adoption and implementation of transportation plans and expenditure programs of the M.P.O., P.S.T.A., Board of County Commissioners, and the F.D.O.T.

92560

### Signal Renovation

Fuel Tax	300,000	200,000	100,000	100,000	100,000	100,000	900,000
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Renovation of substandard signalized intersections, software and communicating infrastructure as required to meet the standards set by the national and State of Florida mandates to increase safety and reduce liability. This project also provides money to support the costs of relocating traffic signal equipment due to road widening projects or intersection improvement projects where the cost of such relocation cannot be included in the cost of that project.

Comprehensive Plan Objective: (H.2.2) The City shall adopt the Florida Department of Transportation level of service standards for State primary and secondary arterials as they be modified by additional service designations approved by F.D.O.T. and shall use intergovernmental coordination agreements to secure maximum City control over access and management of roads in Clearwater. Clearwater intends that these standards be recognized as the minimum acceptable standards for State arterial roads, and should serve as a guideline for reviewing development applications. (B.2.1) Roadway improvements to obtain desired Levels of Service must be included in City capital budgets. The City shall actively participate, on a continuing basis, with both the staff and elected official support, in the preparation, adoption and implementation of transportation plans and expenditure programs of the M.P.O., P.S.T.A., Board of County Commissioners, and the F.D.O.T.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## INTERSECTIONS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92561								
<b>New Signal Installations</b>								
	Multi-Modal Impact	40,000	40,000	40,000	40,000	40,000	40,000	240,000

The project provides for new traffic signals installed at previously unsignalized intersections that meet traffic signal warrants and / or replacement of span wire with mast arms and/or installation of RRFB's (Rectangular Rapid Flashing Beacons) or other pedestrian flashers.

Comprehensive Plan Objective: (H.2.2) The City shall adopt the Florida Department of Transportation level of service standards for State primary and secondary arterials as they be modified by additional service designations approved by F.D.O.T. and shall use intergovernmental coordination agreements to secure maximum City control over access and management of roads in Clearwater. Clearwater intends that these standards be recognized as the minimum acceptable standards for State arterial roads, and should serve as a guideline for reviewing development applications. (B.2.1) Roadway improvements to obtain desired levels of service must be included in City capital budgets.

92562								
<b>Intersection Improvements</b>								
	Fuel Tax	100,000	45,000	30,410	30,400	30,390	30,390	266,590
	Multi-Modal Impact		100,000	100,000	100,000	100,000	100,000	500,000
	Road Millage	45,000		14,590	14,600	14,610	14,610	103,410

These are intersection improvements of a relatively major nature to facilitate traffic flow by increasing the capacity of the intersection. Specific projects in FY 2016/17 may include the intersection at Fort Harrison and Lakeview.

Comprehensive Plan Objective: (B.2.1) Roadway improvements to obtain desired levels of service must be included in City capital budgets. The City shall actively participate, on a continuing basis, with both the staff and elected official support, in the preparation, adoption and implementation of transportation plans and expenditure programs of the M.P.O., P.S.T.A., Board of County Commissioners, and the F.D.O.T.

<b>Total Intersections:</b>		<b>535,000</b>	<b>431,990</b>	<b>315,410</b>	<b>315,400</b>	<b>315,390</b>	<b>315,390</b>	<b>2,228,580</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKING

The Parking section includes projects for the maintenance of the City owned parking garages, as well as City owned parking lots. These projects are usually funded with Parking Fund revenue. Also included in this section would be any new Parking Garages. These types of projects would traditionally be funded with Parking Fund revenues and/or a Parking Bond Issue.

Projects in the Parking section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Diversify the Economic Base

- Develop downtown and US 19 N.
- Maintain tourism commitment, including sports tourism.



### Increase Economic Opportunity

- Continue building a business friendly environment.



### Develop and Promote our Brand

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92652								
<b>Parking Lot Resurfacing</b>								
	Parking Fund	61,000	50,000	50,000	50,000	50,000	50,000	311,000

The project provides for the resurfacing of various City Parking System lots as determined necessary by the Engineering department.

92654								
<b>Parking Lot Improvements</b>								
	Parking Fund	250,000	250,000	150,000	150,000	150,000	150,000	1,100,000

The project provides for interior improvements, both functional and aesthetic, to all parking system facilities. Parking facility locations will begin with the beach lots and expand to include all parking system facilities and on-street parking. Improvements include items such as brick pavers, parking meters, pay stations, parking revenue control equipment and sign upgrades. Also included is the construction of temporary lots, as needed.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKING

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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92656

### Pelican Walk Parking Garage

Parking Fund

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This project provides funding for 450 public parking spaces inside of Pelican Walk Parking Garage on Clearwater Beach.

Comprehensive Plan Objective: (A.6.6) Tourism is a substantial element of the City's economic base and as such the City shall continue to support maintenance and enhancement of this important economic sector.

Annual Operating Costs: Annual costs include personal services for three (3) F.T.E.'s in the amount of \$119,350 and other operating expenses for insurance, equipment repair, utilities, etc. in the amount of \$238,700.

92657

### Parking Facilities

Parking Fund	300,000	300,000	182,500	184,000	184,000	184,000	1,334,500
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This project provides for funding maintenance, repair and any safety concerns for all current and future parking facilities. This project will also fund research and studies of future parking facilities.

Comprehensive Plan Objective: (A.6.6) Tourism is a substantial element of the City's economic base and as such the City shall continue to support maintenance and enhancement of this important economic sector.

926xx

### Downtown Parking Garage

T.B.D.		9,792,000					9,792,000
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This project provides for the construction of a 700 space, parking garage downtown (exact location T.B.D.) to serve the new City Hall, general public and other downtown businesses.

Comprehensive Plan Objective: (A.6.1.7) Downtown Clearwater is designated as a Regional Activity Center suitable for increased threshold intensity for development consistent with the boundaries of the Central Business District as identified by the Tampa Bay Regional Planning Council's Strategic Regional Policy Plan and as indicated in the Clearwater Downtown Redevelopment Plan approved in 2004. (A.6.1.8) The City shall continue to support and implement approved community redevelopment area plans, such as the Clearwater Downtown Redevelopment Plan adopted in 2004 and Beach By Design adopted in 2001.

Annual Operating Costs: Annual costs include personal services for three (3) F.T.E.'s in the amount of \$100,000 and other operating expenses for insurance, equipment repair, utilities, etc. in the amount of \$400,000.

<b>Total Parking:</b>	<b>611,000</b>	<b>10,392,000</b>	<b>382,500</b>	<b>384,000</b>	<b>384,000</b>	<b>384,000</b>	<b>12,537,500</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS ENGINEERING

This section includes miscellaneous engineering type of projects that are related to the Engineering function. The smaller projects are typically either funded with General Fund revenue or Lease Purchase dollars if the project is equipment or vehicles. Projects in this section could also include major construction projects that don't easily fit in another category, i.e., the replacement of the Memorial Causeway Bridge, when active, was included in this section. The Downtown Intermodal Facility project is now included in this section to be funded in the later years of this plan. The larger construction projects may be funded from a variety of sources including Penny for Pinellas proceeds.

Projects in the Miscellaneous Engineering section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Diversify the Economic Base

- Develop downtown and US 19 N.
- Maintain tourism commitment, including sports tourism.



### Increase Economic Opportunity

- Continue building a business friendly environment.
- Recognize the value of transit oriented development.



### Develop and Promote our Brand

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### Efficiency

- Access public-private organizations and resources when appropriate.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92839								
<b>Downtown Intermodal Facility</b>								
	Penny III				2,425,000			2,425,000

This project would provide for the construction of a new Intermodal Terminal in downtown Clearwater which would allow the opportunity for growth and expansion of public transit, including Bus Rapid Transit (BRT) service to Clearwater Beach. This facility could provide for a variety of travel modes including: bike, pedestrian, taxi, charter bus, local bus and premium bus/BRT modes. A new terminal is consistent with the downtown redevelopment concepts and the Long-range Transportation Plan for Fixed Guideway/Light Rail Service. Penny III funding has been reduced \$3,000,000 and the project funding moved out to fiscal year 2019/20.

Comprehensive Plan Policy: (B.4.3.2) Where appropriate, the City shall support the placement and / or improvements of the local transit service terminal in the downtown.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS ENGINEERING

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
92841								
<b>Miscellaneous Engineering</b>								
	General Fund	35,000	35,000	35,000	35,000	35,000	35,000	210,000

Establishes a project to provide funding for miscellaneous contractual services related to new road construction, public transit facilities, storm drainage, rights-of way, sidewalks, drainage structures, signal installation, or landscaping including unplanned requests by other departments.

92842								
<b>U.S. 19 Wayfinding Project</b>								
	Special Program Fund	500,000						500,000

This project provides for the restructure and re-focus development in the U.S. 19 corridor utilizing "Wayfinding Signage" to brand and promote key activity center locations and to facilitate access in the U.S. 19 Corridor.

Comprehensive Plan Objective: (A.5) The City of Clearwater shall identify and utilize a citywide design structure comprised of a hierarchy of places and linkages. The citywide design structure will serve as a guide to development and land use decisions while protecting those elements that make the City uniquely Clearwater. This is further supported by establishment of a hierarchy of places as called for in policies A.5.1.1 through A.5.1.8.

92843								
<b>Survey Equipment Replacement</b>								
	General Fund	65,000	6,500	6,500	6,500	6,500	6,500	97,500
	Stormwater Fund	35,000	3,500	3,500	3,500	3,500	3,500	52,500

This project provides for the replacement of two (2) Leica Survey Total Stations and two (2) Leica Global Positioning Systems (G.P.S.) stations. The existing units are 15 years old and do not have the ability to process some of the newer software. Also they have been in for repair on a more frequent basis and it is no longer cost effective to maintain this older equipment.

<b>Total Miscellaneous Engineering:</b>		<b>635,000</b>	<b>45,000</b>	<b>45,000</b>	<b>2,470,000</b>	<b>45,000</b>	<b>45,000</b>	<b>3,285,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Projects in this section include all the projects that support the Parks & Recreation function, excluding land acquisition.

Many of these projects are maintenance projects that provide the necessary funding to maintain our parks, and our park facilities, in good condition. These maintenance projects are typically funded with General Fund revenue. Equipment and vehicle projects in this section would be funded with Lease Purchase dollars. The major construction of new Parks & Recreation facilities or major renovation of existing Parks & Recreation facilities have been funded with Penny for Pinellas proceeds, grants, donations and recreation facility impact fees.

Also, included in this section is a project for “Special Events Infrastructure” (funded with Special Event Fund revenue).

Projects in the Parks Development section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Diversify the Economic Base

- Maintain tourism commitment, including sports tourism.



### Increase Economic Opportunity

- Continue building a business friendly environment.



### Develop and Promote our Brand

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93203								
<b>Carpenter Field Infrastructure Repairs &amp; Improvements</b>								
	General Fund	30,000	40,000	50,000	50,000	60,000	60,000	290,000

This project provides for the phased repairs and improvements needed at the Carpenter Field Complex, including fence replacement, field renovations, building repairs, parking lot restructuring, entryway improvements, etc. This project will allow for the Carpenter Complex to continue to be maintained in a major league professional manner.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93205								
<b>Brighthouse Field Infrastructure Repairs / Improvements</b>								
	General Fund	500,000	1,210,000	150,000	150,000	150,000	150,000	2,310,000
	T.B.D.					6,250,000	5,770,000	12,020,000

This project provides for the phased repairs and improvements needed at the Brighthouse Field, according to the Joint Project Agreement (JPA) between the City of Clearwater and the Phillies. This project will allow for the Brighthouse Field to be maintained in a manner to meet current major league professional standards. The stadium is reaching an age where major maintenance renovations are needed, including painting steel infrastructure, air conditioner replacements, roofing, painting exterior of stadium etc. A Capital Improvement (Reserve) Study was completed in 2015 in order to address the major capital repairs and renovations for the next 20 years. This project reflects the recommendations of the study. Work scheduled for fiscal year 2016/17 includes air conditioner replacements, plumbing system repairs, painting and parking lot resurfacing.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93244

### **Parks and Beautification Truck, Trailer and Club Car**

L/P - General Fund	57,000							57,000
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This project provides for a Ford F-350 Dump truck, trailer and club car utility vehicle to support new staff needed to maintain new properties and responsibilities in the Parks maintenance section of the Parks and Recreation Department. Responsibilities in the North Maintenance team have grown to a point where an additional maintenance team is needed to meet the minimum maintenance requirements that have been added to the North Maintenance team. These vehicles are attached to a new position and if position not approved, vehicles are not required. An additional position will be requested in fiscal year 2017/18 to complete the team.

Annual Operating Costs: Other operating expenditures to be funded by the General Fund in the amount of \$47,400 per year to cover an additional FTE, Debt Service costs and supplies needed to maintain the vehicles.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93247

### **Fitness Equipment Purchase & Replacement**

General Fund	30,000	50,000	50,000	30,000	30,000	50,000	240,000
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This project provides for the phased replacement of old, worn out and over used fitness equipment and new pieces at the City's five (5) fitness centers. Cardio equipment is scheduled for replacement at Clearwater Beach Recreation Center, Long Center and Ross Norton Recreation Center in fiscal year 2016/17.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open space, trails and recreation facilities are efficiently and adequately maintained for all segments and districts of the population according to the level of service standards established for the City. (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards of levels of service.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93251								
<b>Morningside Recreation Center Replacement</b>								
	Penny III	2,830,000						2,830,000

This project provides for the construction of a new recreation center at the Morningside Recreation Complex as well as replacing the swimming pool filtration and pumping systems at the Morningside pool. The new center will replace an old renovated bar and restaurant that was used as a recreation center for many years prior to its removal in 2010. The remainder of the park was previously renovated in 2010. The recreation center is proposed to be approximately 22,000 square feet and provide a variety of recreation program spaces and programs similar to the Countryside Recreation Complex. Design for the Center will take place beginning in fiscal year 2015/2016 from existing funds so that construction can begin in fiscal year 2016/2017. Pool renovations will be performed prior to beginning construction of the recreation center.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93271								
<b>Swimming Pool Renovations and Repairs</b>								
	General Fund	150,000	150,000	150,000	150,000	150,000	150,000	900,000

This project will provide for the renovation and enhancement of the various pools in the City, for facility improvements, leisure pool enhancements such as slides, activity pools and long-term maintenance such as marcing and repair of gutters, tile and decking. Replacement of the filtration system is needed at the Morningside pool in fiscal year 2016/17. The existing filtration is over fifty years old and needs to be upgraded to current standards. Refurbishing play structures at North Greenwood and Ross Norton are also planned.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93272								
<b>Bicycle Paths-Bridges</b>								
	Penny III		750,000	750,000				1,500,000

This project provides for the construction of recreation trails throughout the city for walking, jogging, inline skating, bicycling and equestrian uses. May include but not limited to projects such as segments of the Ream Wilson Trail, Bayshore Drive Trail, Courtney Campbell Causeway Trail, and trails within park boundaries.

Comprehensive Plan Objective: (G.1.3) Continue to increase the supply of core system parkland in areas needing additional neighborhood parks. (G.1.3.4) Address the varying needs of the City's diverse population when creating and implementing parks and recreation plans, with special attention to the needs of those who may have significantly limited recreational alternatives.

93278								
<b>Long Center Infrastructure Repairs</b>								
	General Fund	1,032,600	150,000	150,000	150,000	150,000	150,000	1,782,600

This project will provide for the replacement and repairs of various capital items at the Long Center. This capital project replaces the annual sinking fund included in the past Long Center agreement with the City. Some of the infrastructure items that will need to be repaired or replaced include furnishings, equipment, pool, parking lot, driveway, ball field, etc. Projects for fiscal year 2016/17 include the complete renovations of the pool shell, tile work, decking around the pool, new drainage and gutter system for the therapeutic pool, new diving boards, relighting the gymnasium and minor repairs to the parking lot.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93286								
<b>Parking Lot/Bicycle Path Resurfacing &amp; Improvements</b>								
	General Fund	75,000	75,000	75,000	75,000	75,000	75,000	450,000

This project includes regularly resurfacing of parking lots and bicycle paths to prevent deterioration that are considered unsafe for public use and may include minor improvements to those parking lots and bicycle paths being resurfaced.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards of levels of service.

93602								
<b>Special Events Equipment Repairs &amp; Replacement</b>								
	Sp Events Revenue	30,000	30,000	30,000	30,000	30,000	30,000	180,000

This project provides for the purchase, repair and replacement of such items as sound equipment, chairs, tables, tents, etc. used by the Special Events Division for special events, grand openings, dedications, celebrations, etc. The equipment used by this Division wears out from heavy use.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93604								
<b>Boardwalks &amp; Docks Repair &amp; Replacement</b>								
	General Fund	40,000	40,000	40,000	40,000	40,000	40,000	240,000

This project provides funding for the repair and/or replacement of boardwalks, docks and viewing platforms in various parks and beach access points. There are over 48,000 square feet of wooden boardwalks, docks and viewing platforms throughout the City, including such parks as Moccasin Lake, Crest Lake and Ed Wright and areas such as Turner Street Dock, Magnolia Street Dock and wooden access boardwalks to Sand Key and Clearwater Beach. Replacement with recycled products will occur wherever possible. In fiscal year 2016/17 no major dock and boardwalk bridge replacement will occur.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93618								
<b>Miscellaneous Parks &amp; Recreation Contract Services</b>								
	General Fund	30,000	30,000	30,000	30,000	30,000	30,000	180,000

This is a capital improvement project to provide professional services which include architects, engineers and other professional consultants so that preliminary work can be completed prior to committing additional resources for major capital projects. Without this preliminary work it would be difficult to get accurate estimates for Council approval or for grant applications.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93633								
<b>Pier 60 Park &amp; Beachwalk Repairs and Improvements</b>								
	General Fund	120,000	130,000	140,000	150,000	160,000	170,000	870,000

This project provides for phased repairs and improvements needed at Pier 60 Park and Beachwalk, including seating, wall repair, site furniture, grounds renovations, irrigation repairs, etc. This project will allow Pier 60 Park to continue to be maintained and accommodate Special Event functions in a professional manner while serving as a premier destination facility. It allows for annual renovations and repairs needed to keep the Pier 60 Park area as well as the entire Beach Walk area as an attractive inviting beach experience for citizens and visitors to Clearwater Beach. Annual budget includes approximately \$70,000 per year to fund the restoration of the concrete every five years or as needed.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open spaces, trails and recreation facilities are efficiently and adequately maintained for all segments and districts of population according to the level of service standards established for the City. (I.1.1.5) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

93634								
<b>Concrete Sidewalk &amp; Pad Repairs &amp; Replacement</b>								
	General Fund	50,000	50,000	50,000	60,000	60,000	60,000	330,000

This project provides for the removal and replacement of damaged concrete sidewalks, curbs, and pads and courts in various parks around the City as well as provides for new sidewalks for safety and accessibility reasons.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open space and recreation facilities are efficiently and adequately maintained for all segments and districts of the population according to the level of service standards established for the City.

93635								
<b>Park Amenity Purchase, Repair &amp; Replacement</b>								
	General Fund	140,000	140,000	100,000	100,000	100,000	100,000	680,000

This project provides for the purchase, repair and replacement of such items as park identification signs, rules signs, lighting, park benches, trash receptacles, water fountains, grills, basketball goals, soccer and football goals, bleacher systems, and the like, at various Parks & Recreation facilities and sites that have deteriorated. In addition, scoreboards in need of replacement as they have exceeded their reached the end of their lifecycle.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open space and recreation facilities are efficiently and adequately maintained for all segments and districts of the population according to the level of service standards established for the City.

93636								
<b>Tennis &amp; Basketball Court Resurfacing</b>								
	General Fund	85,000	200,000	200,000	200,000	200,000	200,000	1,085,000

This project provides for the scheduled resurfacing of tennis and basketball courts to prevent deterioration and also to ensure that the public can safely use. Due to the age of most of the courts (over 25 years) in fiscal year 2017/18 funding will increase to begin a program to rebuild the courts a minimum of three to four per year. In order to meet the schedule additional funding is needed in fiscal year 2016/17 to repair basketball courts at Marymont and Montclair Park and resurface tennis courts at Country Hollow Park. Tennis courts at Martin Luther King Park need to be rebuilt or removed.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open space and recreation facilities are efficiently and adequately maintained for all segments and districts of the population according to the level of service standards established for the City.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93637								
<b>Playground &amp; Fitness Equipment Purchase &amp; Replacement</b>								
	General Fund	150,000	150,000	150,000	150,000	150,000	150,000	900,000

This project provides replacement of playground equipment and the purchase of new equipment at the City's playgrounds that are considered unsafe for public use. Included in this project is the appropriate support items such as safety resilient surfacing, landscaping, benches, shade shelters and fencing. This project also includes phased replacement of fitness court equipment. As equipment is added and/or replaced, it is evaluated to assure it meets ADA requirements. Nine (9) of the cities twenty seven (27) playgrounds have a rating of fair to poor with most being 16 to 20 years old or older. Playgrounds under consideration to be replaced or removed in fiscal year 2016/17 include Northwood Park, Wood Valley Park, Soule Road Park, Charles Park and Brighthouse Playground.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open space and recreation facilities are efficiently and adequately maintained for all segments and districts of the population according to the level of service standards established for the City.

93638								
<b>Fencing Replacement Program</b>								
	General Fund	80,000	85,000	100,000	100,000	100,000	100,000	565,000

This project includes phased replacement of old, worn out and rusted fencing that is considered unsafe to the public at the various recreation sites and or purchase of new fencing needed to protect the public. The largest amount of fencing to be replaced on an annual basis exists at the fifty (50) ball fields, which includes backstops and dugout fencing. Fencing is replaced as needs arise, and replacements comply with all current code requirements.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93650								
<b>Crest Lake Park Improvements</b>								
	Penny III	850,000		750,000				1,600,000

This project will provide for the design, public engagement process and permitting needed for the renovations at Crest Lake Park in fiscal year 2016/2017. Construction funding for the project will be addressed in future capital improvement budgets once a design and cost have been approved. Staff has indicated where some of the possible funding could be allocated from existing Discretionary Sales Surtax (Penny Funds) for Neighborhood Parks. Improvements to the park may include sidewalk/path improvements; park amenities for example water fountains, benches and bike rack; restrooms; additional parking and landscaping improvements.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93652								
<b>Countryside Plex Restroom/Concession/Storage</b>								
	Donations	50,000						50,000
	Grant	100,000						100,000

This project provides for the construction of a new restroom/storage/concession building at the Countryside Sports Complex, similar to the building located at Countryside Community Park and Joe DiMaggio. The building will supply improved restrooms/concession and needed storage facility for all of the various activities held at this large complex. There are currently several small buildings which were constructed over twenty years ago that have been meeting this need however, they are inadequate and need to be replaced in an area that will be more accessible to all participants and visitors at the facility. Also, included in the building is a series of rooms that can be used for storage, meetings, and office areas as well as a fully functioning concession stand. The city will provide for minimal furnishing of the concession area as user groups will be responsible for operations of the concession areas. Additional funding for this project is needed and being secure through grants, donations and Interlocal Agreements with Safety Harbor to complete all needed renovations including pressbox, bleachers, storage and parking.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open spaces, trails and recreation facilities are efficiently and adequately maintained for all segments and districts of population according to the level of service standards established for the City. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

93654								
<b>Recreation Centers Infrastructure Repairs</b>								
	General Funds	75,000	175,000	75,000	75,000	100,000	150,000	650,000

This project will provide for the replacement and repairs of various capital items at the various recreation centers in the City. Some of the infrastructure items that will need to be repaired or replaced include furnishings, equipment, pool, parking lot, driveway, ball field, security systems, lighting, etc. Funds for 2016/17 may be used to replace gymnasium partitions at North Greenwood and Ross Norton Recreation Center as well as replace countertops and cabinets at Countryside, Ross Norton and others.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

93660								
<b>Sid Lickton Batting Tunnels</b>								
	Penny III	50,000						50,000
	Donations	50,000						50,000

This project will provide for the construction of outdoor batting tunnels to be used by City co-sponsored groups as well as for tournaments held at Sid Lickton Complex. This project is designed to be a partnership project between the City and other local non-profit groups. The batting tunnels will have lights and thus a slight increase in operating expenses to cover the additional operating costs. This project was part of the original design for the Sid Lickton Complex but at the time of construction, funds were not available for completion of the tunnels. Also, these tunnels replace the old tunnels torn down with reconstruction of the complex.

Annual Operating Costs: Other operating expenditures to be funded by the General Fund in the amount of \$1,200 per year to cover increased utility costs.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

# CAPITAL IMPROVEMENT PROGRAM

## 2017 THROUGH 2022

### PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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93661

#### Frank Tack Parking Lot

	Penny III	399,500						399,500
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This project provides for the renovation of the existing restroom facility and improvement to the parking lot at Frank Tack fields. Currently, the parking lot does not meet city code requirements as it is a dirt parking lot and the restrooms are in need of renovations. The parking lot needs to be brought up to current standards and provide improved drainage systems for the property.

Comprehensive Plan Objective: (G.1.1) The City shall ensure that parks, open spaces, trails and recreation facilities are efficiently and adequately maintained for all segments and districts of population according to the level of service standards established for the City. (I.1.1.5.3) New or expanded facilities that reduce or eliminate deficiencies in levels of service for existing demand.

93662

#### Administration Vehicle

	L/P - General Fund	21,000						21,000
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This project provides for the purchase of a new sedan for use by the Parks and Recreation Director. The director is on call 24/7 and is in need of reliable transportation to perform the duties of his job. A small sedan is being requested for this purpose.

Annual Operating Costs: Other operating expenditures to be funded by the General Fund in the amount of \$6,000 per year to cover debt, fuel and maintenance costs.

93663

#### Athletic Maintenance Equipment

	L/P - General Fund	52,840						52,840
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This project will provide for a Toro Workman cart and Jacobson Groommaster II for Jack Russell Stadium as well as a Toro Pro Core Aerator for use at all turf athletic fields. Due to the increased tournaments and baseball games at Jack Russell Stadium, additional equipment is needed to maintain the fields on a daily basis. Currently this equipment has to be trucked in from another site every other day causing loss in productive work time as well as resulting in poorer quality fields. The Aerator is needed to groom the athletic fields to professional standards required by the MLS teams and other professional and semi professional teams using Clearwater facilities. The Aerator will be used city wide at all turf fields to promote growth and stronger turf. This piece of equipment will improve the overall health of the turf to withstand the constant use by all of our various co-sponsor groups. Funding to pay for these purchases will come from increased revenues generated from rentals at Jack Russell as well as funds generated from MLS teams uses of facilities.

Annual Operating Costs: Other operating expenditures to be funded by the General Fund in the amount of \$6,000 per year to cover debt, fuel and maintenance costs.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx

#### Youth Sports Field Renovations

	Penny III		114,840					114,840
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This project provides for renovation and improvements needed at the various City youth sports fields. Currently, the City maintains over fifty (50) sports fields, including baseball, soccer, football, lacrosse and multipurpose fields. Funding for fiscal year 2017/18 is for expanding the outfield fences from 200 feet to 220 feet at EC Moore 8 & 9, in order to accommodate new National Standards.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
936xx								
<b>Neighborhood Park Renovations</b>								
	Penny III				260,000			260,000

This project provides for renovation and improvements needed at various neighborhood parks in the City. Currently the City maintains and manages over 100 parks in the City ranging from small one acre parks to larger community parks. Many of these parks are in need of refurbishment and repair from years of continued use by the public. The City continues to perform maintenance on all of these parks to keep them in safe operating conditions, however, there has been no source of funds to make needed capital improvements and renovations. Parks like Bay Park on Sand Key, Coachman Ridge Park, Forest Run Park, Soule Road Park, Crest Lake Park, etc., all have various needs which will need to be addressed. Also, there are several parks that have little or no facilities and this project will allow the City to address these needs. Funding is being allocated to various neighborhood parks to accomplish neighborhood renovations including Crest Lake Park, Woodgate Park, Del Oro Park and Ed Wright Park.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for levels of service.

936xx								
<b>Woodgate Park Renovations</b>								
	Penny III		450,000					450,000
	General Fund		200,000					200,000

This project will provide for renovations to Woodgate Park by providing improved parking facilities, three (3) new basketball courts and renovation to existing restrooms. This will allow those interested in playing basketball to have a place to go in north Clearwater to find a game. These will replace the basketball courts at Del Oro Park and Coachman Ridge Park.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx								
<b>Del Oro Park Renovations</b>								
	Penny III		450,000					450,000

This project will provide for renovations to Del Oro Park including new tennis courts, refurbished playground area, parking area, sidewalks shelter and trail head. Also the Stormwater department will be addressing some flooding issues for residents on the south side of the park. This project will involve the removal of both the existing basketball court and tennis court to construct a swale system to drain water away from homes on the south.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx								
<b>Showmaster Portable Stage</b>								
	L/P - General Fund		150,000					150,000

This project will provide for the replacement of the existing show master portable stage that has been used by the city for over fifteen years. The existing stage has undergone repairs and it is at a point where a new stage will be needed if the city hopes to have a portable stage for ribbon cuttings, public gatherings, speeches, events, etc. The current stage has been used for numerous activities and events and is leased out to other organizations when available.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## PARKS DEVELOPMENT

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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936xx

### Long Center Parking Improvements

Penny III				550,000				550,000
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This project will provide for much needed parking improvements at the Long Center. A portion of the existing green space located on the western portion of the property now used for outdoor activities will be converted to a large parking lot to accommodate approximately 150 to 200 spaces. These spaces will help alleviate some of the parking problem which now exist around the building. Also, the expanded parking will help on days when large events are scheduled at the center alleviating the need to constantly park on Salvation Army parking facilities.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx

### Ed Wright Park Renovations

Penny III					490,000			490,000
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This project will provide renovations to Ed White Park including a new design to allow for more efficient use of the space for parking, picnic areas, restrooms for use by park users, primarily the Horseshoe Club. Will eliminate the current loop road in the park to allow for a safer design and more open space for park users.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx

### North East Coachman Park Renovations

Penny III			300,000					300,000
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This project will provide for some renovations needed at North East Coachman Park including the construction of a parking lot and improvements to the disc golf course. With new sidewalks and bridge improvements on both Old Coachman and NE Coachman Road and the purchase of additional property within the park there is a need to reconfigure the existing course as well as improve the dirt parking lot which does not meet city standards.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

936xx

### Environmental Park Remediation and Protection

General Fund		50,000	50,000	50,000	50,000	50,000		250,000
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This project will provide for ongoing funding to protect the natural resources of the many undeveloped parks and naturally sensitive lands within the park delivery system. Funding will be used for protection of parks through fencing, signage, eradication of evasive plant species and studies to preserve park areas.

Comprehensive Plan Objective: (I.1.1.5.2) A repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standards for level of service.

<b>Total Parks Development:</b>		<b>7,077,940</b>	<b>5,169,840</b>	<b>3,640,000</b>	<b>2,340,000</b>	<b>7,885,000</b>	<b>7,485,000</b>	<b>33,597,780</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MARINE FACILITIES

The Marine Facilities section includes projects that support the Marine operations. Most of the projects in this section are maintenance projects, which are funded on an annual basis to keep the related infrastructure in good condition. Project funding sources for the maintenance projects are based on the operation the project supports, i.e., Marina operations are funded by the Marina & Aviation Fund and Clearwater Harbor Marine operations are funded by the Clearwater Harbor Marine Fund. Pier 60 and Sailing Center operations are funded by the General Fund. Any construction or major renovation of facilities, are typically funded the same way or with Penny for Pinellas proceeds or Special Development Fund revenue.

Projects in the Marine Facilities section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Diversify the Economic Base

- Maintain tourism commitment, including sports tourism.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93403								
<b>Beach Guard Facility Maintenance</b>								
	Parking Fund	20,000	40,000	25,000	25,000	25,000	25,000	160,000

This project provides funding for the repair and replacement, of equipment including the guard towers and structures on Clearwater Beach used by the Beach Guards. In FY 2017/18 a new tower will be constructed to service the area north of Pier 60.

93410								
<b>Clearwater Harbor Marina Maintenance</b>								
	Clearwater Harbor Marina Fund	40,000	40,000	40,000	40,000	40,000	40,000	240,000

This project provides funding for the continuous repair and/or replacement of electrical services, water services, fire protection equipment and structural components of the Clearwater Harbor Marina infrastructure.

93412								
<b>City-wide Seawall Replacement</b>								
	Penny III	150,000	150,000	150,000	150,000			600,000
	T.B.D.					150,000	150,000	300,000

This project provides funding to replace or upgrade seawalls as needed. There are numerous seawalls located on City property, many of which are reaching the end of their useful life. Replacement or upgrading of these seawalls prior to their failure is of vital importance to protect the upland uses adjacent to them.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MARINE FACILITIES

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93415								
<b>Waterway Maintenance</b>								
	General Fund	25,000	25,000	25,000	25,000	25,000	25,000	150,000

The project provides for continuous repair or replacement of deteriorated City-owned aids to navigation and information signage; removal of derelict vessels and menaces/hazards to navigation. This also includes procuring of piling, sign material to fabricate buoys and sinkers, utilizing the Marine Service section and equipment in order to maintain City-owned waterway in a usable and safe condition.

93418								
<b>Utilities Service Replacement</b>								
	Marine Fund	150,000	35,000	35,000	35,000	35,000	35,000	325,000

The project provides for continuous repair and/or replacement of deteriorated electrical wiring, and water service at the City's Municipal Marina and Island Estates Marina to continue to maintain the City-owned marinas in usable conditions. In fiscal year 2016/17, we will attempt to increase power to the main dock by running additional cable.

93419								
<b>Dock R &amp; R</b>								
	Marine Fund	25,000	25,000	25,000	25,000	25,000	25,000	150,000

The project provides for continuous repair and/or replacement of deteriorated docks at municipal docking facilities and Island Estates Marina, utilizing the Marine Services section and equipment to continue to maintain the City-owned marinas in usable conditions.

93420								
<b>Fuel System R &amp; R</b>								
	Marine Fund	10,000	10,000	10,000	10,000	10,000	10,000	60,000

The project provides for continuous repair and/or replacement of deteriorated fuel lines, dispenser and underground pollutant storage tanks at the municipal marina, utilizing contractors to continue to maintain City-owned marina fuel system in usable conditions.

93421								
<b>Marine Facility Maintenance</b>								
	Marine Fund	25,000	25,000	25,000	25,000	25,000	25,000	150,000

This project will provide funding for any facility that the Beach Marina is responsible for that requires maintenance and repairs or replacement of ramps and pilings. Also included in fiscal year 2016/17, will be funding for the replacement of the security system at the Beach Marina.

93422								
<b>Dredging of City Waterways</b>								
	General Fund	100,000	100,000	100,000	100,000	100,000	100,000	600,000

The project provides for periodic dredging of sediments throughout city waterways as deemed necessary.

Comprehensive Plan Objective: (G.1.6.2) The City will provide new access or enhance/maintain existing access to water bodies where possible for recreational use.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MARINE FACILITIES

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93497								
<b>Docks &amp; Seawalls</b>								
	General Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This is a continuous maintenance program to keep the City's several thousand feet of seawalls at street ends and docks, other than at Marina facilities, in good repair.

93499								
<b>Pier 60/Sailing Center Maintenance</b>								
	General Fund	40,000	40,000	40,000	40,000	40,000	40,000	240,000

This project provides funding for the continuous repair and/or replacement of electrical services, water service, fire protection equipment and structural components of the Pier and Sailing Center. Also included in fiscal year 2016/17, will be funding for the replacement of the security system.

934xx								
<b>Seminole Boat Launch Maintenance</b>								
	General Fund				10,000	10,000	10,000	30,000

This is a continuous maintenance program to maintain the City's infrastructure and keep the Seminole Boat launch area in good repair.

<b>Total Marine Facilities:</b>		<b>635,000</b>	<b>540,000</b>	<b>525,000</b>	<b>535,000</b>	<b>535,000</b>	<b>535,000</b>	<b>3,305,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## AIRPARK FACILITIES

The Airpark Facilities section includes projects that support the Airpark operations. These projects range from maintenance projects to the major renovation of facilities. These projects are typically funded with Airpark Fund revenue or grant revenue from the Florida Department of Transportation.

Projects in the Airpark Facilities section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Diversify the Economic Base

- Maintain tourism commitment, including sports tourism.



### Increase Economic Opportunity

- Continue building a friendly environment.
- Recognize the value of transit oriented development.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Evaluate additional funding options when appropriate.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94817								
<b>Airpark Maintenance &amp; Repair</b>								
	Airpark Fund	15,000	15,000	15,000	15,000	15,000	15,000	90,000

This project will provide funding for maintenance and repairs at the Clearwater Airpark.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

94886								
<b>Clearwater Airpark Masterplan Update</b>								
	Airpark Fund	20,000						20,000
	FDOT Grant	80,000						80,000

This project will provide funding for an update to the Masterplan which is the professional planning document for the Airpark. This is required to meet F.A.A. & F.D.O.T. standards before modifications are made to the Airpark facility that are not included in the current Masterplan completed in fiscal year 2000.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## AIRPARK FACILITIES

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
948xx								
<b>Ground Support Equipment Upgrade</b>								
	Airpark Fund		20,000					20,000
	FDOT Grant		80,000					80,000

This project will provide funding for the replacement of ground support equipment at the Airpark that has reached the end of its useful life. The items to be replaced may include a "tug" for moving aircraft, and a fuel trailer for taking fuel to the aircrafts.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

948xx								
<b>Replace Hangar "C"</b>								
	Penny III			240,000				240,000
	FDOT Grant			960,000				960,000

This project will provide funding for razing hangar C, and rebuilding. This is a vintage 1960's building that is in poor condition and needs to be replaced. Airpark revenues are expected to increase with the rebuilding. The cost will include engineering assistance from City Engineers; and will include electrical work, plumbing, and general contracting.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

948xx								
<b>New Multiplane Hangar</b>								
	Airpark Fund				140,000			140,000
	FDOT Grant				560,000			560,000

This project will provide funding for the construction of a new multiplane hangar. This will be a specialty hangar, larger than existing "T" hangars, for business clients which will include office spaces.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

948xx								
<b>Permanent Terminal Building</b>								
	T.B.D.					760,000		760,000
	FDOT Grant					3,040,000		3,040,000

This project will provide funding for the construction of a new permanent terminal, taking the place of the temporary building put in place in 2005. This will include all phases of the planning and construction with the assistance of the City Engineering department.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## AIRPARK FACILITIES

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
948xx								
<b>Security System Upgrade</b>								
	T.B.D.						100,000	100,000
	FDOT Grant						400,000	400,000

This project will provide funding for the installation of a new updated security system consisting of twenty cameras, monitor and recorder. By this time the current system will be outdated.

Comprehensive Plan Objective: (B.5.1.3) The City shall program adequate resources from facility users, enterprise funds, and grants to maintain aviation facilities.

<b>Total Airpark Facilities:</b>	<b>115,000</b>	<b>115,000</b>	<b>1,215,000</b>	<b>715,000</b>	<b>3,815,000</b>	<b>515,000</b>	<b>6,490,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## LIBRARIES

The Libraries section includes projects that support the Library operation. The purchase of library materials as well as computer software projects, are typically funded with Library Cooperative funding or General Fund revenue. Equipment purchases would be lease purchased and major construction or renovation of facilities has been funded with Penny for Pinellas, grants and donations.

Projects in the Libraries section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Facilitate Development of the Economy" and to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Develop and Promote our Brand

- Engage neighborhoods and the business community to create our economic identity and communicate that identity effectively.
- Ensure that our residents and visitors are familiar with the whole offering of community amenities.



### Foster Community Engagement

- Preserve community history and culture.



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Evaluate additional funding options when appropriate.
- Set priorities and spend money aligned with the Strategic Direction.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
93532								
<b>Library Maker Space Maintenance and Upgrade</b>								
	General Fund	84,510	20,000	20,000	20,000	20,000	20,000	184,510

The funding for this project will provide for the construction and related expenditures necessary for the reconfiguration of the creative "Do It Yourself" (DIY) spaces known as maker spaces as recommended by consultants. The project will require new computers/electronics, computer software/hardware, construction design, installation and new furniture fixtures and equipment. Fiscal year 2017 will provide funding for construction of the fourth maker spaces studio in the Main Library, and funding in fiscal year 2018 provides for maker spaces system wide. Funding in fiscal year 2020 and future years will provide for maintenance and upgrades needed to maintain Maker Space facilities.

93533								
<b>Main Library Upgrade to Support Alternative Usage</b>								
	General Fund	239,340						239,340

The following updates to the Main Library are anticipated to support alternative usage. This project will provide for a major audio visual upgrade to all meeting and conference rooms and will add decorative gates and barriers in youth services, reference and circulation areas. This project will require design, installation and new audio/sound equipment and other furniture fixtures and equipment.

93534								
<b>Library F.F. &amp; E. Repair and Replacement Project</b>								
	General Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

The project provides for the system wide library audio visual upgrade and replacement and renewal of furniture, fixtures and equipment. To include projectors, smart T.V.'s, software and hardware. Audio visual equipment needs to be repaired or replaced with more up to date equipment. With hundreds of thousands of visitors annually, library furniture and fixtures are beginning to require replacement to keep the facilities functioning.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## LIBRARIES

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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935xx

### Countryside Library Demolition

General Fund			72,500					72,500
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The project provides for the demolition of the Countryside Library. Due to location changes, the existing Countryside Library building will no longer be necessary for City use. The land on which it stands is sufficiently valuable and land improvements including asbestos survey, asbestos removal, demolition and disposal of structure, parking lot removal, grade and sod site will be necessary. Funding has been moved to fiscal year 2017/18 so that the Fire Department can utilize the Countryside Library in fiscal year 2016.

935xx

### East Library Demolition

General Fund				72,500				72,500
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Due to location changes, the existing East Library building will no longer be necessary for City use. The land on which it stands is sufficiently valuable and land improvements including asbestos survey and removal, demolition and disposal of structure, parking lot removal, grade and sod site will be necessary.

935xx

### Educational Learning Exhibit

T.B.D.				50,000				50,000
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The funding will provide for an interactive learning experience at the Main Library, with exhibits for children to use motor skills and exercise their minds. This project will require hardware, training, installation, furniture, fixtures and equipment.

94861

### Library Technology

General Fund		100,000		100,000				200,000
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The funding for this ongoing CIP project provides for the implementation and upgrade of Radio Frequency Identification (RFID) technology at all City of Clearwater branches. This technology allows libraries to perform many repetitive tasks more efficiently. Stacks of books can be checked in and out with one movement and sorting machines will move material quickly and accurately. With the more efficient use of staff, our reduced staff will be able to continue to provide the service our public demands. The system also provides the most effective security system currently available. The funding in fiscal year 2017/18 will provide for the upgrades to the system wide smart serve self-checkout machine upgrades.

<b>Total Libraries:</b>		<b>373,850</b>	<b>242,500</b>	<b>292,500</b>	<b>70,000</b>	<b>70,000</b>	<b>70,000</b>	<b>1,118,850</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GARAGE

The Garage section includes projects for the replacement of motorized equipment as well as replacement equipment for the radio system. These projects are funded either with Garage Fund revenue, Lease Purchase contract paid by the Garage Fund or Penny for Pinellas revenue. Also included in this section are miscellaneous new vehicle additions funded by lease purchase contracts paid for by the user department.

Projects in the Garage section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94233								
<b>Motorized Equipment Replacement - Cash</b>								
	Garage Fund	46,800	48,210	49,650	51,140	52,680	54,260	302,740

This project is for the replacement of motorized vehicles and equipment to cost less than \$25,000 per vendor per transaction. The equipment is for all City Departments, responsible for all City business. Future years based on a projected increase of approximately 3% per annum.

94238								
<b>Police Vehicles</b>								
	Penny III	300,000	200,000	100,000	100,000			700,000
	L/P - General Fund	680,000	430,000					1,110,000

The project provides for the replacement of police vehicles and such equipment necessary to outfit the vehicle for its official use or equipment that has a life expectancy of at least five years.

94241								
<b>Motorized Equipment Replacement - L/P</b>								
	L/P - Garage Fund	6,440,600	6,569,410	6,700,800	6,834,820	6,971,520	7,110,940	40,628,090

This project is for the replacement of motorized vehicles /equipment estimated to cost \$25,000 or more per vendor per transaction. The equipment is for all City Departments, responsible for all City business. Future years based on a projected increase of approximately 2% per annum.

Annual Operating Costs: Annual debt service expenditures to be funded by the Garage Fund.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GARAGE

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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94243

### Radio P25 Upgrade

L/P - Garage Fund		1,000,000						1,000,000
Garage Fund		100,000	100,000	100,000	100,000			400,000

This project will fund a program to complete the P25 upgrade and the replacement of the old portable and mobile radios and accessories and options (such as radio chargers, spare batteries, belt clip, etc.). In fiscal year 2017, we will complete the City's P25 migration with the following milestones. The Solid Waste Department will migrate their approximately 100 terminals, and spares will be purchased for use by the EOC, special event staff, and future city growth. The final build-out of the remaining infrastructure will be completed as well, which includes five (5) RF channels and site equipment redundancy. City buildings will be evaluated for coverage issues and corrective actions will be taken by utilizing Bi-Directional Amplifiers (BDA) equipment for the purpose of first responder safety. As buildings are identified, they will be rated and corrected according to need and funding.

Annual Operating Costs: Annual debt service expenditures to be funded by the Garage Fund.

94244

### Miscellaneous Vehicle Additions

L/P - General Fund		42,000						42,000
L/P - Parking Fund		22,000						22,000

This project will fund the addition of new vehicles to the City's fleet. The fiscal year '17 funding will provide for a vehicle to be utilized by the Parking System and a vehicle for a Fire Inspector.

Annual Operating Costs: Annual debt service expenditures to be funded by the department purchasing the vehicle.

94245

### Fleet Industrial Fans

Garage Fund		80,000						80,000
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This project will fund the purchase and installation of industrial fans in the Fleet maintenance shop. During the warm months the maintenance shop can reach over 100 degrees and the current fan system is outdated and obsolete.

94246

### Fleet Management and Mapping

Garage Fund		320,000						320,000
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This project will fund the purchase of necessary equipment, to include hardware and software, to improve the way the City accounts for its vehicles, vehicle maintenance, fuel dispensing and usage, and drive habits.

<b>Total Garage:</b>		<b>9,031,400</b>	<b>7,347,620</b>	<b>6,950,450</b>	<b>7,085,960</b>	<b>7,024,200</b>	<b>7,165,200</b>	<b>44,604,830</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MAINTENANCE OF BUILDINGS

Projects in this section provide funding for the major maintenance of City facilities. The funding is provided by the Fund that owns the specific facility that requires maintenance. The facilities are outlined in the project scopes.

Projects in the Maintenance of Buildings section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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94510

### Air Conditioners-City Wide Replacements

General Fund	200,000	178,000	85,000	85,000	85,000	85,000	85,000	718,000
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The project provides for the replacement of several air conditioning systems that are in need of replacement due to age, deterioration, and excess energy usage. For fiscal year 2016/17 facilities may include: North Greenwood Recreation Center, Fire Stations 44 and 49, Jack Russell Stadium and miscellaneous small units.

94512

### Roof Repairs

General Fund	45,000	25,000	25,000	25,000	25,000	25,000	25,000	170,000
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The project includes roof repair of various City buildings as needed to prevent water damage to interiors of buildings. For fiscal year 2016/17 facilities may include Fire Station 48 and miscellaneous repairs.

94514

### Roof Replacements

General Fund	390,000	150,000	150,000	10,000	50,000	50,000	50,000	800,000
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This project includes roof replacements of various City buildings. For fiscal year 2016/17 facilities may include The Main Police Station and Impound Lot building.

94517

### Painting of Facilities

General Fund	75,000	75,000	50,000	50,000	50,000	50,000	50,000	350,000
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This project includes scheduled painting and waterproofing of City facilities. For fiscal year 2016/17 facilities may include: Main Library, Sailing Center, Ross Norton Complex, EC Moore and the Downtown Dock Master Building.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MAINTENANCE OF BUILDINGS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94518								
<b>Fencing of Facilities</b>								
	General Fund	10,000			10,000	10,000	10,000	40,000

This project includes the scheduled replacement of rusted or damaged fences at City facilities. For fiscal year 2016/17, fences will be replaced at the Countryside Police station.

94519								
<b>Flooring for Facilities</b>								
	General Fund	305,000	230,000	45,000	35,000	60,000	25,000	700,000

This project includes the scheduled replacement of worn or damaged flooring. For fiscal year 2016/17, facilities may include: Main Library, Countryside Recreation Center and miscellaneous small replacements.

94521								
<b>Elevator Refurbishment &amp; Modernization</b>								
	General Fund	200,000	200,000	210,000	125,000	125,000	45,000	905,000

This project provides funding for the refurbishment and modernization of elevator equipment.

94528								
<b>Light Replacement &amp; Repair</b>								
	General Fund	200,000	95,000	90,000	90,000	90,000	90,000	655,000

This project includes the phased re-lamping, replacement and repair of lighting systems including light fixtures, poles, service panels and wiring at various sites City-wide. For fiscal year 2016/17 locations may include: Main Library and Jack Russell Stadium Re-Lamp and miscellaneous service, pole, security replacement.

94530								
<b>Building Systems</b>								
	General Fund	130,000	185,000	150,000	250,000		550,000	1,265,000

For fiscal year 2016/17 locations may include: The kitchen at Fire Station #51 and the Jack Russell Stadium Clubhouse. This project provides funding for interior pool area metal painting in fiscal year 2020 at the Long Center facility.

94531								
<b>MSB Renovations</b>								
	General Fund	100,000	350,000					450,000

This project provides funding for departmental space allocation and will include carpeting, cubicles and security enhancements throughout the building to better protect City staff and the general public. Some of the enhancements will be shatter-proof glass, card swipes and controlled access. These enhancements are yet to be finalized.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MAINTENANCE OF BUILDINGS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94532								
<b>New A/C System Chiller</b>								
	Penny III	500,000	200,000	600,000	450,000			1,750,000
	General Fund	100,000	100,000	100,000	100,000	100,000	100,000	600,000

This project provides funding for the replacement of the air-conditioning systems at the main Police Department building, Municipal Services Building and the Main Library due to age, deterioration, and excess energy usage, and the chiller system at the main Police Department building, Main Library and the Municipal Service Building.

94533								
<b>General Services R &amp; R</b>								
	General Services Fund	75,000	10,000	10,000	10,000	10,000	10,000	125,000

This project provides funding for the General Services grounds and building located at 1900 Grand Avenue.

945xx								
<b>Generator Maintenance</b>								
	Garage Fund		100,000				100,000	200,000

This project provides funding for new transfer switches as well as docking stations for emergency hook up. Docking stations cut down on time & provide added safety during hook up for emergencies and load banking services. Docking stations should be installed on all stationary generators used for emergency standby.

945xx								
<b>City Hall Security Hardening</b>								
	General Fund		100,000					100,000

This project provides funding for necessary security enhancements throughout the building to better protect City staff and the general public. Some of the enhancements will be shatter-proof glass, card swipes and controlled access. These enhancements are yet to be finalized.

<b>Total Maintenance of Buildings:</b>		<b>2,330,000</b>	<b>1,998,000</b>	<b>1,515,000</b>	<b>1,240,000</b>	<b>605,000</b>	<b>1,140,000</b>	<b>8,828,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GENERAL PUBLIC CITY BUILDINGS & EQUIPMENT

This section includes projects for City buildings and equipment that do not fit into another category within the Capital Improvement Program. Projects such as the Public Works Complex are included in this section. Projects in this section could be funded by a bond issue, Penny for Pinellas or the General Fund. The funding could also be provided by the Fund that owns or operates the specific facility. The facilities are outlined in the project scopes.

Projects in the General Public City Buildings & Equipment section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94626								
<b>Public Works Complex</b>								
	General Fund	87,080	465,920	411,520				964,520
	Future W&S Bond Issue		3,100,000		4,000,000		112,240	7,212,240
	Water Revenue	162,500		200,000				362,500
	Sewer Revenue	162,500		200,000				362,500
	Stormwater Fund	110,720	1,080,710	174,130	1,729,740		2,270	3,097,570
	Adm Svc Fund				231,860			231,860
	T.B.D.				4,327,500		21,220	4,348,720

This project provides for the redevelopment of the City's Public Works Complex (PWC) located at 1650 No. Arcturas Avenue. Facilities within the complex are dated and are not expected to withstand hurricane force winds. PWC will play a critical role in disaster recovery efforts on behalf of Clearwater citizens. A master plan for redevelopment of PWC includes demolition of nearly all existing buildings and new construction of hardened structures to accommodate the following Divisions: Utilities, Stormwater, Street and Sidewalks, Traffic, Urban Forestry, Survey and storage for Information Technology. The project contains five phases beginning in fiscal year 2016 with estimated completion in 2030.

Comprehensive Plan Objective: (I.1.1.5.2) The repair, remodeling, renovation or replacement of obsolete or worn out facilities that contribute to achieving or maintaining standard for levels of service.

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<b>Total Gen Public City Building &amp; Equip:</b>	<b>522,800</b>	<b>4,646,630</b>	<b>985,650</b>	<b>10,289,100</b>	<b>-</b>	<b>135,730</b>	<b>16,579,910</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS

The Miscellaneous section includes projects that do not fit into another category. The majority of the projects in this section are technology projects that are either managed by the Information Technology Department or funded by the Administrative Services Fund. Other projects in this section include two environmental projects funded by the General Fund and a Penny for Pinellas funded project.

Projects in the Miscellaneous section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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94729

#### Citywide Connectivity Infrastructure

Adm Svc Fund	300,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000
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This project will continue the deployment of fiber optic cable and high-speed wireless infrastructure to City buildings connecting City operating facilities to the City's voice and data network. The sites range from facilities on the beach (marina, police beach sub-station, north beach fire station), to Countryside (police substation, wastewater treatment plant, library, recreation center, etc.). The architecture will include the creation of looped paths to create redundant connections for service resiliency.

94736

#### Geographic Information System

Adm Svc Fund	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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This project has been established to link location based data from the City's numerous databases in an enterprise geographic information system (GIS). The development of a GIS will greatly increase the accessibility of infrastructure, capital asset, and customer information through an intuitive map-based query application. The system will also enable public and private access to mapped information via the internet. Funding includes costs for hardware and software as well as data collection and data conversion services.

94761

#### Pollutant Storage Tank Remv/Rplemnt-Gen Fd

General Fund	20,000	20,000	20,000	20,000	20,000	20,000	20,000	120,000
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This project is proposed to keep the City's pollutant storage tank locations in compliance with the current Florida Department of Environmental Protection Pollutant Storage Tank Rules, and to reduce the potential risk of groundwater contamination. Expenses from this fund include tank maintenance, repair, replacement and routine expenses related to tank insurance and compliance, and fees associated with emergency spill response.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94803								
<b>Environmental Assmt &amp; Clean</b>								
	General Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This project has been established to provide funding for the assessment and remediation of contaminated sites owned or acquired by the City. This project is intended to meet the current state requirements set forth in Chapter 62 of the Florida Administrative Code, requiring the City to meet mandatory target clean-up levels. This requires mandatory target clean-up levels of sites where contamination could affect a potable water supply or could pose a health or safety risk to the public. This program also reduces the potential risk of off-site contamination to private property and the potential for third party liability claims against the City.

94814								
<b>Network Infrastructure &amp; Server R&amp;R</b>								
	L/P - Adm Svc Fund	350,000	350,000	350,000	350,000	400,000	400,000	2,200,000

This project will replace network hardware (switches and routers) and upgrade several enterprise system servers on the City's computer network. The City's wide area network incorporates more than 55 different access locations throughout Clearwater. Much of the infrastructure equipment is aging and not capable of handling the increased volumes of data as the City's computing systems grow. These upgrades will improve performance and efficiency of the network and systems, and enable tiered management of network traffic. The project will also fund the purchase of network and bandwidth management software, a new fiber switch and new router blades.

Annual Operating Costs: Annual debt service expenditures to be funded by the Administrative Services Fund.

94824								
<b>IT Disaster Recovery</b>								
	L/P - Adm Svc Fund	30,000	30,000	35,000	35,000	50,000	50,000	230,000

This project will establish an off-site business operations center for mission critical systems necessary to maintain City operations (i.e., Finance, Customer Service, Asset Management, GIS, payroll, etc.). The project will include the purchase of backup equipment to store data and run systems from a remote location, and establish necessary connectivity.

Annual Operating Costs: Annual debt service expenditures to be funded by the Administrative Services Fund.

94827								
<b>Telecomm Upgrades</b>								
	L/P - Adm Svc Fund	25,000	25,000	25,000	25,000	50,000	50,000	200,000

This project will provide funding for the upgrade of telecommunications equipment including Nortel switches, handsets and software.

Annual Operating Costs: Annual debt service expenditures to be funded by the Administrative Services Fund.

94828								
<b>Financial System Upgrades</b>								
	Adm Svc	800,000	800,000	800,000	800,000	800,000	400,000	4,400,000

This project provides funding to keep the financial systems (PeopleSoft, Ross and Risk Management) up to date, operating at optimum condition and to pay for upgrades as needed. This project encompasses hardware, software and professional services. The additional funding per year will provide funding for the eventual replacement of the Ross system.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94829 <b>CIS Upgrades</b>	Adm Svc	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This project provides funding for upgrades of the Customer Information System (CIS). This system supports City utilities.

94830 <b>MS/Licensing Upgrades</b>	Adm Svc	100,000	50,000	50,000	50,000	100,000	100,000	450,000
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The Microsoft Licensing project will upgrade versions of several core business applications including Microsoft Office, Microsoft Exchange and SQL Database. These upgrades will provide more advanced functionality and provide a stable platform for operations over the next five to six years.

94833 <b>Computer Monitors</b>	Adm Svc	10,000	10,000	10,000	10,000	10,000	10,000	60,000
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This project provides funding for the purchase of computer monitors for the City's computer needs based on a life expectancy of four to six years, as opposed to three years when leased.

94857 <b>Accela Permitting &amp; Code Enfcmnt Upgrade</b>	Adm Svcs	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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This project provides funding to keep the Tidemark System up to date, operating at optimum condition and to pay for upgrades as needed. This project encompasses hardware, software and professional services.

94873 <b>Citywide Cameras System</b>	Adm Svcs	25,000	50,000					75,000
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A Citywide Camera System is an enterprise video management system to manage the diverse needs of City departments. The system needs to be open platform and able to be customized to solve the video storage, delivery and integration.

94874 <b>City Enterprise Time Keeping System</b>	Adm Svcs	25,000						25,000
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This project provides funding for the upgrade and replacement of time clocks and software licensing (Kronos).

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## MISCELLANEOUS

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
94880								
<b>Granicus Agenda Management System</b>								
	Adm Svcs	25,000	25,000	25,000	25,000	25,000	25,000	150,000

This project will integrate the City's current video streaming services and meeting minutes production with a paperless agenda management system. The project will address decreased support services provided by current agenda management program, Novus Agenda, and limited Information Technology staff resources. Video streaming services is currently provided by Granicus.

Annual Operating Costs: Costs include for service and licensing maintenance. Estimated average yearly costs will be \$15,000.

94883								
<b>Business Process Review &amp; Improvement Project</b>								
	Adm Svcs	150,000	150,000	150,000	150,000	150,000	150,000	900,000

This project will support efforts to review, analyze and modify various business processes throughout the City enterprise. The project will place emphasis on processes in support of asset management and work order management activities, however, other operations may be reviewed as need and priority require.

94888								
<b>City E.O.C. and Disaster Recovery Facility Expansion</b>								
	Penny III	360,000	3,000,000					3,360,000

This project is for the expansion of the existing training facility located at the northwest corner of 1750 No. Belcher Ave and 2180 Logan Street. The expansion project will facilitate the build out of a new CAT-5 data center, emergency call center and communications studio to support mission critical City operations during emergency or disaster conditions. When the original training building was constructed the design allowed for the expansion of the facility. The current facility is CAT-5 and adequate for ongoing training activities, but lacks appropriate space for systems support and emergency operations support activities. This project will establish a fully functional CAT-5 emergency operations and communications center under a single roof.

<b>Total Miscellaneous:</b>		<b>2,420,000</b>	<b>4,810,000</b>	<b>1,765,000</b>	<b>1,765,000</b>	<b>1,905,000</b>	<b>1,505,000</b>	<b>14,170,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## STORMWATER UTILITY

This Stormwater Utility section includes projects that support the Stormwater Utility operations of the City.

Projects in the Stormwater Utility section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96124								
<b>Storm Pipe System Improvements</b>								
	Stormwater	2,002,910	1,136,610	2,691,930	1,661,970	2,974,330	4,708,940	15,176,690

This project provides for repair and restoration of any stormwater conveyance or storage components. These projects may require technical evaluation and improvement or may involve replacement in kind. A significant portion of this project will be lining or replacement of existing deteriorating pipe.

Comprehensive Plan Objective: (D.3.6) Continue to provide sound fiscal management of the stormwater management systems to include maintenance, operation and construction in accordance with the watershed management plans and concurrent with its implementation.

96168								
<b>Stormwater System Expansion</b>								
	Stormwater	318,300	327,900	337,800	347,700	358,200	369,000	2,058,900

This project provides for reduction of structure, street and property flooding or improvements to water quality through property acquisition and/or expansion of the existing stormwater system. Property acquisition may be exercised where it is determined that flooding may be alleviated or area for water quality treatment is provided.

Comprehensive Plan Objective: (D.3.3) Lower high water profiles during storm events, as necessary, to reduce house flooding occurrences and to lessen the resulting adverse effects on public health, the natural environment, public and private property. (D.3.4) Continue the implementation of the most cost effective and efficient plan to reduce the occurrence of street flooding where safety issues and traffic problems exist as prioritized and set forth in the Capital Improvement Element, and listed in the stormwater management plans.

96169								
<b>Stevenson Creek</b>								
	Stormwater	1,326,250	1,366,250	1,407,500	1,448,750	1,492,500	1,537,500	8,578,750

This project provides for the implementation of water quantity and quality projects within the Stevenson Creek watershed, including those identified in the Stevenson Creek Watershed Management Plan, to abate structure and street flooding, improve water quality, add, upgrade or restore Stormwater infrastructure and comply with mandated operation, maintenance and reporting requirements.

Comprehensive Plan Objective: (D.3.2) The City of Clearwater shall continue to develop watershed management plans which should seek to identify, evaluate and implement the most cost effective and cost efficient programs for Stormwater management, including Stormwater quantity and quality.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## STORMWATER UTILITY

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96170								
<b>Coastal Basins Projects</b>								
	Stormwater	1,061,000	1,093,000	1,126,000	1,159,000	1,194,000	1,230,000	6,863,000

This project provides for the implementation of water quantity and quality projects within the City’s coastal basins to abate structure and street flooding, improve water quality, add, upgrade or restore Stormwater infrastructure and comply with mandated operation, maintenance and reporting requirements.

Comprehensive Plan Objectives: (D.3.3) Lower high water profiles during storm events, as necessary, to reduce house flooding occurrences and to lessen the resulting adverse effects on public health, the natural environment, public and private property. (D.3.5) Protect and enhance the quality of receiving waters by the use of “Best Management Practices” in accordance with the adopted watershed management plans.

96173								
<b>Alligator Creek Watershed Projects</b>								
	Stormwater	1,326,250	1,366,250	1,407,500	1,448,750	1,492,500	1,537,500	8,578,750

This project provides for the implementation of water quantity and quality projects within the Alligator Creek watershed. Including those identified in the Alligator Creek Watershed Management Plan, to abate structure and street flooding, improve water quality, add, upgrade or restore Stormwater infrastructure and comply with mandated operation, maintenance and reporting requirements.

Comprehensive Plan Objective: (D.3.2) The City of Clearwater shall continue to develop watershed management plans which should seek to identify, evaluate and implement the most cost effective and cost efficient programs for stormwater management, including stormwater quantity and quality.

<b>Total Stormwater Utility:</b>		<b>6,034,710</b>	<b>5,290,010</b>	<b>6,970,730</b>	<b>6,066,170</b>	<b>7,511,530</b>	<b>9,382,940</b>	<b>41,256,090</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GAS SYSTEM

The Gas System section includes projects that support the Gas System operation for the City. The majority of these projects are maintenance projects to maintain the system. Also, included in this section are several projects for the continued expansion of the system. All projects are funded by the Gas Fund.

Projects in the Gas Utility section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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96358

### Environmental Remediation

Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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This project will provide funding for cleaning up the old gas plant site as may be required by the Florida Department of Environmental Protection. The site is located between Jones Street on the south, Maple Street on the north, Myrtle Avenue on the east, and Railroad Avenue on the west. The Florida Department of Environmental Protection will be providing us, at some future date, their requirements for the remediation on the property. Other environmental locations requiring remediation will also be funded from this project, as the requirement is determined. Funding for this will be recovered through the Environmental Imposition Adjustment clause in the Gas System rates.

96365

### Line Relocation Pinellas - Maintenance

Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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This is a continuing project to fund the removal of abandoned gas lines as required by the State Department of Transportation.

96367

### Gas Meter Changeout - Pinellas

Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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To provide funding for continually maintaining accurate gas meters to maximize gas revenues.

96374

### Line Relocation Pinellas - Capitalized

Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
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This is a continuing project to relocate gas mains for road construction and upgrades to the mains. This portion of the project involves work that adds to the value of the gas system and is therefore capitalized.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GAS SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96376								
<b>Line Relocation Pasco - Maintenance</b>								
	Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This is a continuing project to fund the removal of abandoned gas lines as required by the State Department of Transportation.

96377								
<b>Pinellas New Mains &amp; Service Lines</b>								
	Gas Fund	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	9,000,000

This project will provide for extension of gas mains and services as well as new mains and services within Pinellas County. It will fund related activities such as capital replacement of obsolete cast iron, steel, galvanized mains, and liquid propane service. This project will also provide funding match for federal gas monies under the potential economic stimulus program.

96378								
<b>Pasco New Mains &amp; Service Lines</b>								
	Gas Fund	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	9,000,000

This project will provide for extension of gas mains and services as well as new mains and services within Pasco County. It will fund related activities such as capital replacement of obsolete cast iron and galvanized mains, liquid propane service.

96379								
<b>Gas Meter Change Out - Pasco</b>								
	Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

To provide funding for continually maintaining accurate gas meters to maximize gas revenues. Funding of this project will come from available gas system revenues.

96381								
<b>Line Relocation Pasco - Capitalized</b>								
	Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This is a continuing project to relocate gas main for road construction and upgrades to the mains. This portion of the project involves work that adds to the value of the Gas System and is therefore capitalized. Funding for this project will come from available gas system revenues.

96384								
<b>Gas System - Pinellas Building</b>								
	Gas Fund	12,500,000	7,500,000	200,000	200,000	200,000	200,000	20,800,000

This project provides funding to build a new office building and provide for future offices as required. Funding for this project will come from available gas system revenues.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## GAS SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96386								
<b>Expanded Energy Conservation</b>								
	Gas Fund	1,000,000	750,000	750,000	750,000	750,000	750,000	4,750,000

This project provides funding for gas load building objectives to include a System-wide Neighborhood Expansion program and any other capital marketing programs. Initial funding from Gas Supply Acquisition Project #2. Additional funding from Gas System revenues.

96387								
<b>Natural Gas Vehicle</b>								
	Gas Fund	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000

This project provides funding for a Natural Gas Vehicle program to include natural gas filling stations, the conversion of vehicles to natural gas fuel, and any other capital NGV marketing programs. Initial funding from Gas Supply Acquisition Project #2. Additional funding from Gas System revenues.

96389								
<b>Future IMS Software and Hardware</b>								
	Gas Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000

This project provides funding for the purchase, configuration and utilization of mobile technology to enhance our field processes, specifically for employees to interface with existing City software applications and computer databases while working in the field. Funding for this project will come from available gas system revenues.

96390								
<b>Gas Vehicle Additions</b>								
	L/P Gas Fund	233,000						233,000

This project provides funding for the lease purchase of seven (4) Utility vehicles and one Transit van. The utility vehicles will be utilized for the gas installation, construction and distribution crews, while the van will be utilized by the meter proofing crew.

96391								
<b>Gas System - Pasco Building</b>								
	Gas Fund		50,000	50,000	50,000	50,000	50,000	250,000

This project provides funding for the purchase of property and a new office building at a location to be determined in Pasco County. Funding for this project will come from available Gas system revenues.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

**GAS SYSTEM**

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96392								
<b>Gas Equipment Additions</b>								
	L/P Gas Fund	191,000						191,000

This project provides funding for the purchase of equipment used by the Clearwater Gas System construction crews for installation of gas mains and services.

<b>Total Gas System:</b>	<b>17,524,000</b>	<b>11,900,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>47,824,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SOLID WASTE AND RECYCLING

The Solid Waste and Recycling section includes projects that support the Solid Waste and Recycling operations of the City. Included in this section are projects for facility maintenance and major repairs, as well as equipment and container replacements. All projects are funded by Solid Waste or Recycling revenues.

Projects in the Solid Waste and Recycling Utility section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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96426

### Facility R & R

Solid Waste Revenue	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
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This project provides for the repair or modification of site and land improvements, buildings, machinery and equipment at the two (2) Solid Waste facilities. Major emphasis on maintenance and extending useful lives of fixed assets is required to ensure minimum downtime. The Transfer Station requires replacement of necessary components to maintain and upgrade the original equipment installed in 1971.

Comprehensive Plan Objective: (D.2.3) Continue to provide sound fiscal management for solid waste collection, transport, disposal and recycling as it develops through State legislation.

96443

### Residential Container Acquisition

Solid Waste Revenue	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000
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This project includes the replacement of approximately 5-10% of the 26,800 automated containers in the field, and the acquisition of new automated containers of various sizes to meet the anticipated less than 1% annual growth of residential customers. Experience indicates that as many as 2,500 containers could be required annually, at a current cost of approximately \$54 each. Also included in this project is the cost of replacement parts, when automated containers can be repaired.

Comprehensive Plan Objective: (D.2.3) Continue to provide sound fiscal management for solid waste collection, transport, disposal and recycling as it develops through State legislation.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SOLID WASTE AND RECYCLING

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96444								
<b>Commercial Container Acquisition</b>								
	Solid Waste Revenue	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000

This is an on-going project for the purchase and replacement of roll-off containers, compactors and dumpsters for approximately 3,200 commercial accounts. This project includes the replacement of containers damaged or deteriorated during their normal useful life of five (5) years, the acquisition of additional containers (compactors, roll-offs or dumpsters) to meet system growth, and the acquisition of replacement parts for containers that can be repaired.

Comprehensive Plan Objective: (D.2.3) Continue to provide sound fiscal management for solid waste collection, transport, disposal and recycling as it develops through State legislation.

96445								
<b>Solar Trash and Recycling Kiosks</b>								
	Solid Waste Revenue	25,000	25,000	25,000	25,000	25,000	25,000	150,000

This is an on-going project for the purchase of trash and recycling kiosks to be placed in areas within the City that benefit from high foot traffic. Each two-station kiosk includes a recycling container to provide desirable public space recycling and a litter container that compacts the trash to provide a 3 to 1 compaction ratio. The discreet solar panel provides the current to charge an internal battery that powers the compactor and a real-time monitoring system that measures the fullness of the containers. This monitoring system then provides information regarding the equipment's status to any web-enabled device.

Comprehensive Plan Objective: (D.2.3) Continue to provide sound fiscal management for solid waste collection, transport, disposal and recycling as it develops through State legislation.

96447								
<b>Solid Waste Transfer Station Upgrade &amp; Retrofit</b>								
	Solid Waste Revenue							-

This project will provide for preliminary site work to include but not limited to geotechnical surveys, land surveys, and preliminary design needed for the new Transfer Station Facility. The department is currently reviewing options that may include the incorporation of a gravity feed system into the replacement facility that would eliminate the need for hydraulic pushing and packing of the trailers. The waste dumped into these trailers would be arranged and tamped down by a claw-type loader to ensure that our outbound loads are of appropriate weights. The on-going maintenance for the facility would be less expensive because the hydraulics now used and maintained would not be present in the new facility.

Comprehensive Plan Objective: (D.2.1) Continue to maintain adequate levels of service for existing and future populations through the year 2020. (D.2.2) On an ongoing basis, continue to develop collection and transport strategies which minimize costs and use optimally located waste transfer facilities.

96448								
<b>Solid Waste CNG Station</b>								
	Solid Waste Revenue		1,500,000					1,500,000

This project will provide for preliminary site work to include but not limited to geotechnical surveys, land surveys, and preliminary design needed for a new compressed natural gas (CNG) vehicle refueling station. The department is currently reviewing options that would place this refueling station at either the Solid Waste Complex on Hercules Avenue or at the Solid Waste Transfer Station on Old Coachman Road.

Comprehensive Plan Objective: (D.2.1) Continue to maintain adequate levels of service for existing and future populations through the year 2020. (D.2.2) On an ongoing basis, continue to develop collection and transport strategies which minimize costs and use optimally located waste transfer facilities.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SOLID WASTE AND RECYCLING

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96804								
<b>Recycling Container Acquisition</b>								
	Recycling Revenue	90,000	90,000	90,000	90,000	90,000	90,000	540,000

This project provides for the purchase, replacement, or repair of the containers used in the City's three Recycling Programs – Residential, Multi-Family and Commercial.

Comprehensive Plan Policy: (D.2.3.5) Replacement of equipment and containers shall be scheduled on a basis that permits a uniform replacement rate and avoids irregular capital outlays of substantial amounts of revenue.

96805								
<b>Recycling Expansion R&amp;R &amp; Participation Programs</b>								
	Recycling Revenue	10,000	10,000	10,000	10,000	10,000	10,000	60,000

This project provides for the upkeep of the recycling processing center to include facility maintenance, major repairs, equipment refurbishment or replacement, processing enhancements, and to promote recycling participation and marketing. The current available balance in the project will provide funding for this project through FY 2021/22 and includes the following repairs and replacements: maintenance on the shelter, and recycling processing equipment, concrete floor resurfacing, security system addition, and minor drainage improvements.

Comprehensive Plan Objective: (D.2.3) Continue to provide sound fiscal management for solid waste collection, transport, disposal and recycling as it develops through State legislation.

96809								
<b>Recycling Processing Center Expansion &amp; Upgrade</b>								
	Recycling Revenue							-

This project will provide for preliminary site work to include but not limited to geotechnical surveys, land surveys, preliminary design, and equipment needed for the new Recycling Processing facility. The expansion is necessary for the increased volumes of recyclables and the equipment will be necessary to separate the comingled materials for market, because separated materials bring substantially higher market price than co-mingled materials.

Comprehensive Plan Objective: (D.2.1) Continue to maintain adequate levels of service for existing and future populations through the year 2020. (D.2.2) On an ongoing basis, continue to develop collection and transport strategies which minimize costs and use optimally located waste transfer facilities.

<b>Total Solid Waste and Recycling:</b>	<b>625,000</b>	<b>2,125,000</b>	<b>625,000</b>	<b>625,000</b>	<b>625,000</b>	<b>625,000</b>	<b>625,000</b>	<b>5,250,000</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## UTILITIES MISCELLANEOUS

The Utilities Miscellaneous section includes Utilities projects that support more than one utilities operation. These projects are typically funded by one or more of the utilities operations depending on which operation the project supports.

Projects in the Public Utility section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96523								
<b>Public Utilities Administration Building R &amp; R</b>								
	Sewer Revenue	63,150	64,100	22,400		8,000		157,650
	Utility R&R	133,800	135,900	47,600		17,000		334,300

This project provides funding for the building and equipment upgrades for the Public Utilities Complex to include the Public Utilities Administration Building, Motor Shop, Meter Shop and Supervisors Building.

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<b>Total Utilities Miscellaneous:</b>	<b>196,950</b>	<b>200,000</b>	<b>70,000</b>	<b>-</b>	<b>25,000</b>	<b>-</b>	<b>491,950</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SEWER SYSTEM

The Sewer System section includes projects that support the Sewer System operations for the City. All projects, are included either in the current rate study or a future rate study.

Projects in the Sewer System section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96202								
<b>WWTP Screw Pump Replacement</b>								
	Sewer Revenue		68,430					68,430
	Utility R&R		263,400					263,400
	Future W&S Bond Issue		418,170					418,170

This project provides funding for modifications improvements to the existing Archimedes Screw Pump facilities at the Marshall Street, Northeast and East WWTP facilities. The funding for fiscal year 2017/18 is for the East Plant. Work replaces the existing screw pumps to the internal recycle process at all three plants.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

96204

### WWTP UV Disinfection System

Sewer Revenue	21,650	189,800					211,450
Utility R&R	319,950	2,810,200					3,130,150

This project provides funding for the installation of UV disinfection systems at all three (3) plants, including lamp systems and electrical modifications.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

Annual Operating Costs: Costs include utilities and maintenance. Estimated average yearly costs will be \$386,180, increasing by inflation each year.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SEWER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96211 <b>Godwin Diesel Pump</b>	L/P - Sewer	72,000						72,000

This project provides for the purchase of a larger size ten (10") pump. The equipment will provide necessary bypass pumping at Public Utilities WRF plants.

Annual Operating Costs: Debt service costs and garage charges of approximately \$16,170 starting in FY 2017.

962xx <b>WET NNC Rule Compliance</b>	Future W&S Bond Issue		1,407,410					1,407,410
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This project provides for the design & implementation of wastewater facilities required under Numeric Nutrient Criteria.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advance wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with FDEP and USEPA requirements.

Annual Operating Costs: Increase of operating expenses in the amount of \$54,000 starting in FY 2019.

962xx <b>Trailer Mounted Bio-solids Centrifuge</b>	L/P - Sewer Fund		1,100,000					1,100,000
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This project provides funding for a mobile centrifuge to backup single centrifuges at the Marshall Street and Northeast facilities. This will replace aging belt filter presses which are at the end of their useful life. Back-up capacity is required to dewater bio-solids when the fixed centrifuges are off line for maintenance or repair.

Annual Operating Costs: Debt service costs of approximately \$150,520 starting in FY 2018.

96611 <b>Biosolids Treatment</b>	Sewer Revenue		1,792,400					1,792,400
	Future W&S Bond Issue		457,600	3,073,220				3,530,820

This project provides funding for rehabilitation of the anaerobic digester and associated equipment at the Northeast and the Marshall Street WWTP's. It also provides to convert existing tankage to provide sludge feed equalization at the Northeast Plant and to modify the Marshall Street Plant sludge feed system to accept sludge from the East Plant. These upgrades will provide increased efficiency of the entire bio-solids treatment facilities, as well as increased reliability and cost effectiveness.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

Annual Operating Costs: Costs include maintenance, and operating supplies/chemicals. Estimated average yearly costs will be \$50,000.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SEWER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96615								
<b>Odor Control</b>								
	Future W&S Bond Issue		139,800					139,800
	Sewer Revenue		87,000					87,000
	Utility R&R		923,200					923,200

This project provides for the evaluation of aging control technology at the Marshall Street and East Plants to determine if it is more cost effective to replace existing units with more modern technology or rehabilitate the existing units.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

96619								
<b>WWTP Generator Replacements</b>								
	Utility R&R		820,450					820,450
	Future W&S Bond Issue		235,110					235,110

This project provides funding for the replacement of the backup generators at the Northeast WWTP.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

96630								
<b>Sanitary Sewer Extensions</b>								
	Sewer Impact	12,460	12,460	12,460	12,460	12,460	12,460	74,760
	Future W&S Bond Issue		1,147,300	1,913,600	439,740			3,500,640
	Sewer Revenue	2,712,100	1,209,240	684,940	2,663,340	87,540		7,357,160

This project provides new sanitary sewer service to residents within the City of Clearwater service area. Per the Sanitary Expansion Feasibility Study remaining septic areas will be addressed based upon priority in subsequent years.

Comprehensive Plan Objective: (D.1.1) To maintain adequate Levels of Service for existing and future populations through the year 2020. (D.1.3.5) Extend force mains, lift station capacity and the gravity wastewater collection system to serve existing development as well as new infill development.

96634								
<b>Sanitary Utility Relocation</b>								
	Sewer Revenue	8,200	4,450	4,000	4,000	4,000		24,650
	Utility R&R	716,800	390,550	356,000	356,000	356,000	360,000	2,535,350

The project provides funding for the relocation of sanitary sewer infrastructure to accommodate roadway improvements by Florida DOT, Pinellas County, and the City of Clearwater and various City initiatives related to Stormwater and Traffic Improvements.

Comprehensive Plan Objective: (D.1.1) To maintain adequate Levels of Service for existing and future populations through the year 2020.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SEWER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96645								
<b>Laboratory Upgrade and R &amp; R</b>								
	Sewer Revenue	25,400	42,950	5,700				74,050
	Utility R&R	63,300	107,050	14,300				184,650

The project provides for the repair, replacement and upgrade of the existing laboratory instrumentation to meet state and federal testing requirements for wastewater, bio-solids, reclaimed water, and environmental monitoring, stormwater treatment and potable water.

Comprehensive Plan Objective: (D.1.1) To maintain adequate Levels of Service for existing and future populations through the year 2020.

96654								
<b>Facilities Upgrade &amp; Improvement</b>								
	Utility R&R	1,846,720	1,523,750	1,946,700	2,967,250	449,600	2,975,000	11,709,020
	Sewer Revenue	726,650		218,300	332,750	50,400		1,328,100
	Future W&S Bond Issue	4,631,700	3,051,250					7,682,950

The project provides funding for future improvements and upgrades at the City's three (3) AWT plants and bio-solids facility.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

96664								
<b>Water Pollution Control R&amp;R</b>								
	Future W&S Bond Issue		4,149,500		118,350			4,267,850
	Sewer Revenue	800,600		525,500	366,050	228,500		1,920,650
	Utility R & R	2,763,980		2,649,000	2,441,600	1,470,500	1,400,000	10,725,080

The project provides for the design, repair, rehabilitation, and replacement of Water Pollution Control Plant and bio-solids facility items such as sludge chains, pumps, motors, associated plumbing, instruments, and minor facility repair to return or maintain the Water Pollution Control facilities to or at designed capability.

Comprehensive Plan Objective: (D.1.1) To maintain adequate Levels of Service for existing and future populations through the year 2020.

96665								
<b>Sanitary Sewer R&amp;R</b>								
	Future W&S Bond Issue		9,825,000	2,695,050	1,555,750	1,311,950		15,387,750
	Utility R&R			3,095,500	2,458,250	2,073,050	3,385,000	11,011,800
	Sewer Revenue	2,573,600		398,950				2,972,550

The project provides general system wide condition inspections, rehabilitation and new appurtenances.

Comprehensive Plan Objective: (D.1.1) To maintain adequate Levels of Service for existing and future populations through the year 2020.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## SEWER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96686								
<b>Pump Station Replacement</b>								
	Future W&S Bond Issue		1,240,500	2,000,050	1,430,000	813,600	2,243,010	7,727,160
	Sewer Revenue			62,450			1,046,800	1,109,250
	Utility R&R					1,628,900	1,180,200	2,809,100

This project provides funding to inspect, rehabilitate or replace existing pump stations systems, their related force mains and telemetry systems to adhere to current industry and regulatory requirements.

Comprehensive Plan Objective: (D.1.2) The City shall continue to produce advanced wastewater treatment (AWT) improvements at all water pollution control facilities in accordance with Florida Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (E.P.A.) requirements.

<b>Total Sewer System:</b>	<b>17,295,110</b>	<b>33,416,970</b>	<b>19,655,720</b>	<b>15,145,540</b>	<b>8,486,500</b>	<b>12,602,470</b>	<b>106,602,310</b>
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# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## WATER SYSTEM

The Water System section includes projects that support the Water System operations for the City. All projects, are included either in the current rate study or a future rate study. All projects are funded by the Water and Sewer Utility Fund.

Projects in the Water System section of the six-year plan support the City of Clearwater's Vision and the Strategic Direction to "Provide Cost Effective Municipal Services and Infrastructure" through the following related strategic actions:



### Quality

- Proactively maintain and reinvest in our infrastructure.



### Financial Responsibility

- Continue responsible financial management.
- Set priorities and spend money aligned with the Strategic Direction.



### Safety

- Reinforce standing as a safe community, especially with visitors.

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96721								
<b>System R&amp;R - Maintenance</b>								
	Future W&S Bond Issue		1,760,000	694,720	1,339,870			3,794,590
	Utility R&R				1,025,200	895,750	395,000	2,315,950
	Water Revenue			290,300		374,250	165,000	829,550

This is an on-going program relating to maintenance, repair or replacement of water mains, service lines, valves, fire hydrants, miscellaneous equipment, damaged facilities, painting tanks and maintenance of thirty-one (31) existing wells and eight (8) new wells. Work involves maintenance, repair and replacement of facilities that do not involve upgrading.

Comprehensive Plan Objective: (D.5.3) Continue to maintain the water system in a safe, sound and efficient manner on a daily basis.

96739

### Reclaimed Water Distribution System

Future W&S Bond Issue	600,000	1,000,000	250,000				1,850,000
Water Revenue		250,000		1,250,000	750,000		2,250,000

This project provides for the continued expansion of the City's Reclaimed Water System based on the Reclaimed Water Master Plan Update.

Comprehensive Plan Objective: (D.5.2) To provide adequate quantity and quality of water service to all customers in the Clearwater service area. Projected service level of 40,390 customer accounts (potable, reclaimed and fire). (D.5.5) Continue to develop a potable water system that is compatible with the environment and seeks to conserve and protect sensitive natural resources. (D.5.5.7) Reclaimed water service will continue to be extended to private residences based on the Twenty (20) Year Reclaimed Water Master Plan.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## WATER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
96740							
<b>Water Supply &amp; Treatment</b>							
	Utility R&R					110,300	110,300
	Water Revenue			305,850		64,700	370,550
	Future W&S Bond Issue	1,750,000	1,944,150	1,500,000			5,194,150

This project provides funding for maintenance, replacement, and upgrade of supply facilities.

Comprehensive Plan Objective: (D.5.2) To provide adequate quantity and quality of water service to all customers in the Clearwater service area. Projected service level of 40,390 customer accounts (potable, reclaimed and fire). (D.5.5) Continue to develop a potable water system that is compatible with the environment and seeks to conserve and protect sensitive natural resources.

96741							
<b>System R&amp;R - Capitalized</b>							
	Future W&S Bond Issue	1,400,000	1,384,250	1,400,000			4,184,250
	Utility R&R				1,384,250	1,384,250	2,768,500
	Water Revenue		15,750		15,750	15,750	47,250

This project involves the repair and replacement of water mains, service lines, valves, fire hydrants, and facilities equipment, etc. that are upgraded during the repair/replacement process. Funding for capitalized labor, equipment and material for in-house work is included.

Comprehensive Plan Objective: (D.5.3) Continue to maintain the water system in a safe, sound and efficient manner on a daily basis.

96742							
<b>Line Relocation - Capitalized</b>							
	Future W&S Bond Issue	485,000	1,121,700	400,000			2,006,700
	Utility R&R				2,067,500	351,950	2,419,450
	Water Revenue		153,300		282,500	48,050	483,850

This is an on-going project provides funding for the relocation of potable water pipeline infrastructure to accommodate roadway improvements by Florida DOT, Pinellas County and the City of Clearwater. Planned work includes various city initiatives related to Stormwater and Traffic Improvement.

Comprehensive Plan Objective: (D.5.4) Continue to provide sound fiscal management for the operation and maintenance of potable water service in the City's service area.

96743							
<b>Meter &amp; Backflow Replacement &amp; Change Out</b>							
	Future W&S Bond Issue	50,000	50,000	50,000		50,000	200,000
	Utility R&R				50,000		50,000

This is an on-going project to repair/replace water meters, backflow prevention devices, and accessories to assure accurate flow measurement, maximum revenues, and proper operation.

Comprehensive Plan Objective: (D.5.3) Continue to maintain the water system in a safe, sound and efficient manner on a daily basis.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## WATER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
96744								
<b>System Expansion</b>								
	Water Impact	24,000	24,000	24,000	24,000	24,000	24,000	144,000
	Water Revenue		76,000	76,000	76,000	76,000	76,000	380,000

This project provides funding and capitalizes Water Division labor, equipment and material expenses relating to additions to Clearwater's distribution system, including new meters, backflow prevention devices, main extensions, etc. Location of work areas is determined by customer demand.

Comprehensive Plan Objective: (D.5.1) To maintain adequate Levels of Service for existing and future populations through the year 2018.

96764

### **R.O. Plant Expansion Res # 1**

Future W&S Bond Issue	750,000	750,000
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This project is to provide funding for the expansion of the City's existing R.O. plant, which includes plant equipment and piping modifications.

Comprehensive Plan Objective: (D.5.2) Provide adequate quantity and quality of water service to all customers of the Clearwater service area.

Annual Operating Costs: Costs include maintenance, utilities and operating supplies, with no annual costs expected.

96766

### **Water Quality Monitoring Devices**

Future W&S Bond Issue	600,000	600,000
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This project is to provide funding for real time monitoring of drinking water in the distribution system of our service area, which will allow for early detection of water quality upsets of contamination, and provide for early action. Improvements other than Buildings R&R.

Comprehensive Plan Objective: (D.5.2) Provide adequate quantity and quality of water service to all customers of the Clearwater service area.

96768

### **Rebate - Well, Lake, Pond Irrigation Abandonment**

Future W&S Bond Issue	20,000	20,000	40,000
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This project provides funding for the Well, Lake, Pond Irrigation Abandonment program that was approved by the City Council May 3, 2007. This program provides a homeowner a rebate if they are willing to properly abandon a private well, lake or pond irrigation system, when establishing reclaimed water service at their residence.

Comprehensive Plan Objective: (D.5.2) To provide adequate quantity and quality of water services to all customers in the Clearwater service area.

Projected service level of 40,390 customer accounts (potable, reclaimed and fire). (D.5.5) Continue to develop a potable water system that is compatible with the environment; and seeks to conserve and protect sensitive natural resources.

# CAPITAL IMPROVEMENT PROGRAM 2017 THROUGH 2022

## WATER SYSTEM

Project # / Project Name	Funding Source	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
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96773

### Groundwater Replenishment Facility

Future W&S Bond Issue			5,104,000	9,236,000				14,340,000
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This project provides funding for a Microfiltration, Reverse Osmosis, Advanced Oxidation 3.0 MGD Water Purification Plant, purified water pipelines, with injection wells to replenish the local aquifer.

Comprehensive Plan Objective: (D.5.2) To provide adequate quantity and quality of water services to all customers in the Clearwater service area. Projected service level of 40,390 customer accounts (potable, reclaimed and fire). (D.5.5) Continue to develop a potable water system that is compatible with the environment; and seeks to conserve and protect sensitive natural resources.

Annual Operating Costs: Annual operating costs beginning in FY 2021 will approximately amount to \$1,704,000. This provides funding for staffing (10 FTE's), electric power, treatment chemicals, five (5) vehicles (Go-Cart, Forklift, two trucks and a V), and other operational expenses at the proposed Groundwater Replenishment Facility to be co-located with the Northeast Water Reclamation Facility.

96774

### Automated Meter Reading

Water Revenue						100,000		100,000
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This project will fund conversion to an automated meter reading system (AMR) for the potable water and reclaimed water systems.

Comprehensive Plan Objective: (D.5.3) Continue to maintain the water system in a safe, sound, and efficient manner on a daily basis.

96775

### Arsenic Removal Water Treatment Plant #3

Future W&S Bond Issue				8,150,000				8,150,000
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This project provides funding for a treatment system to reduce regulated constituents levels in the raw water, total dissolved solids (TDS) including arsenic, etc. that serves as a source water for Water Treatment Plant #3.

Comprehensive Plan Objective: (D.5.3) Continue to maintain the water system in a safe, sound, and efficient manner on a daily basis.

Annual Operating Costs: Annual operating costs beginning in FY 2019 will approximately amount to \$500,000.

96781

### Compact Track Loader

L/P - Water Fund		62,000						62,000
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This project provides funding for the purchase of a Compact Track Loader (Bobcat T750). This equipment will allow for a much safer and easier backfilling and grading, with fork attachment, pulling and loading sidewalk panels. With broom attachment, staff will be able to clean up the streets after our main breaks instead of Public Utilities being charged by Stormwater to send out a sweeper.

Annual Operating Costs: Debt service costs and garage charges of approximately \$14,560 starting FY 2017.

<b>Total Water System:</b>		<b>86,000</b>	<b>12,019,000</b>	<b>24,696,020</b>	<b>6,685,070</b>	<b>6,520,000</b>	<b>3,435,000</b>	<b>53,441,090</b>
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# TOTAL BY CATEGORY

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
Second Century Clearwater	3,652,000	6,786,000	4,000,000	6,800,000	0	0	21,238,000
Police Protection	980,000	630,000	100,000	5,600,000	0	0	7,310,000
Fire Protection	5,264,920	3,275,470	4,778,060	1,391,340	2,195,710	1,340,500	18,246,000
Major Street Maintenance	3,828,420	3,815,170	3,815,170	3,819,170	3,512,170	3,512,170	22,302,270
Sidewalk and Bike Trails	472,000	472,000	472,000	473,250	0	0	1,889,250
Intersections	535,000	431,990	315,410	315,400	315,390	315,390	2,228,580
Parking	611,000	10,392,000	382,500	384,000	384,000	384,000	12,537,500
Miscellaneous Engineering	635,000	45,000	45,000	2,470,000	45,000	45,000	3,285,000
Parks Development	7,077,940	5,169,840	3,640,000	2,340,000	7,885,000	7,485,000	33,597,780
Marine Facilities	635,000	540,000	525,000	535,000	535,000	535,000	3,305,000
Airpark Facilities	115,000	115,000	1,215,000	715,000	3,815,000	515,000	6,490,000
Libraries	373,850	242,500	292,500	70,000	70,000	70,000	1,118,850
Garage	8,051,400	6,717,620	6,850,450	6,985,960	7,024,200	7,165,200	42,794,830
Maintenance of Buildings	2,330,000	1,998,000	1,515,000	1,240,000	605,000	1,140,000	8,828,000
General Public City Building	522,800	4,646,630	985,650	10,289,100	0	135,730	16,579,910
Miscellaneous	2,420,000	4,810,000	1,765,000	1,765,000	1,905,000	1,505,000	14,170,000
Stormwater Utility	6,034,710	5,290,010	6,970,730	6,066,170	7,511,530	9,382,940	41,256,090
Gas System	17,524,000	11,900,000	4,600,000	4,600,000	4,600,000	4,600,000	47,824,000
Solid Waste & Recycling	625,000	2,125,000	625,000	625,000	625,000	625,000	5,250,000
Utilities Miscellaneous	196,950	200,000	70,000	0	25,000	0	491,950
Sewer System	17,295,110	33,416,970	19,655,720	15,145,540	8,486,500	12,602,470	106,602,310
Water System	86,000	12,019,000	24,696,020	6,685,070	6,520,000	3,435,000	53,441,090
<b>TOTAL</b>	<b>79,266,100</b>	<b>115,038,200</b>	<b>87,314,210</b>	<b>78,315,000</b>	<b>56,059,500</b>	<b>54,793,400</b>	<b>470,786,410</b>



## SUMMARY OF GENERAL FUND REVENUE

Program	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
Second Century Clearwater	1,652,000						1,652,000
Fire Protection	469,360	324,650	336,380	414,390	362,910	376,960	2,284,650
Miscellaneous Engineering	100,000	41,500	41,500	41,500	41,500	41,500	307,500
Park Development	2,587,600	2,925,000	1,560,000	1,560,000	1,605,000	1,685,000	11,922,600
Marine Facilities	215,000	215,000	215,000	225,000	225,000	225,000	1,320,000
Libraries	373,850	242,500	242,500	70,000	70,000	70,000	1,068,850
Maintenance of Buildings	1,755,000	1,688,000	905,000	780,000	595,000	1,030,000	6,753,000
General Public City Buildings & Equipmer	87,080	465,920	411,520				964,520
Miscellaneous	70,000	70,000	70,000	70,000	70,000	70,000	420,000
<b>Total General Fund</b>	<b>7,309,890</b>	<b>5,972,570</b>	<b>3,781,900</b>	<b>3,160,890</b>	<b>2,969,410</b>	<b>3,498,460</b>	<b>26,693,120</b>

SECOND CENTURY CLEARWATER:	3425 - Seminole Boat Launch Improvements	1,652,000	1,652,000
FIRE PROTECTION:	1229 - Replace & Upgrade Air Packs	26,000	
	1257 - Auto External Defibrillator Program	20,500	
	1260 - Thermal Imaging Cameras	26,030	
	1261 - Personal Protective Equipment	199,040	
	1263 - Extrication Tools	56,000	
	1264 - Fire Hose Replacement	41,790	
	1270 - Old Fire Station 45 Demolition	100,000	469,360
MISC ENGINEERING:	2841 - Miscellaneous Engineering	35,000	
	2843 - Survey Equipment Replacement	65,000	100,000
PARK DEVELOPMENT:	3203 - Carpenter Fld Infrastructure Repairs & Improvements	30,000	
	3205 - Bright House Field Infrastructure Repairs & Impv	500,000	
	3247 - Fitness Equipment Replacement	30,000	
	3271 - Swimming Pool Renovations & Repairs	150,000	
	3278 - Long Center Infrastructure Repairs	1,032,600	
	3286 - Parking Lot/Bike Path Resurfacing & Improvements	75,000	
	3604 - Boardwalk & Docks Repair & Replacement	40,000	
	3618 - Miscellaneous Park & Recreation Contract Svcs	30,000	
	3633 - Pier 60 Park & Beachwalk Repairs and Improvements	120,000	
	3634 - Concrete Sidewalk & Pad Repair & Replacement	50,000	
	3635 - Park Amenity Purchase, Repair & Replacement	140,000	
	3636 - Tennis & Basketball Court Resurfacing	85,000	
	3637 - Playground & Fitness Equip Purchase & Replacement	150,000	
	3638 - Fencing Replacement Program	80,000	
	3654 - Recreation Centers Infrastructure Repairs	75,000	2,587,600
MARINE FACILITIES:	3415 - Waterway Maintenance	25,000	
	3422 - Dredging of City Waterways	100,000	
	3497 - Docks & Seawalls	50,000	
	3499 - Pier 60/Sailing Center Maintenance	40,000	215,000
LIBRARIES:	3532 - Library Maker Space Maintenance and Upgrade	84,510	
	3533 - Main Library Upgrade to Support Alternative Usage	239,340	
	3534 - Library F.F. & E R&R	50,000	373,850
MAINTENANCE OF BUILDINGS:	4510 - Air Conditioners - City Wide Replacements	200,000	
	4512 - Roof Repairs	45,000	
	4514 - Roof Replacement	390,000	
	4517 - Painting of Facilities	75,000	
	4518 - Fencing of Facilities	10,000	
	4519 - Flooring for Facilities	305,000	
	4521 - Elevator Refurbishment & Modernization	200,000	
	4528 - Light Replacement & Repair	200,000	
	4530 - Building Systems	130,000	
	4531 - MSB Security Renovations	100,000	
	4532 - New A/C System Chiller	100,000	1,755,000



# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>GENERAL SOURCES</b>							
<b>General Revenue</b>							
91229 - Replace & Upgrade Air Packs	26,000	27,040	28,120	29,240	30,410	31,630	172,440
91257 - Automatic External Defib Program	20,500	20,500	20,500	21,320	22,170	23,060	128,050
91260 - Thermal Imaging Cameras	26,030	27,070	28,150	29,280	30,450	31,670	172,650
91261 - Personal Protective Equipment	199,040	207,000	215,280	223,890	232,850	242,160	1,320,220
91263 - Extrication Tools	56,000			65,000			121,000
91264 - Fire Hose Replacement	41,790	43,040	44,330	45,660	47,030	48,440	270,290
91270 - Old Fire Station 45 Demolition	100,000						100,000
92841 - Miscellaneous Engineering	35,000	35,000	35,000	35,000	35,000	35,000	210,000
92843 - Survey Equipment Replacement	65,000	6,500	6,500	6,500	6,500	6,500	97,500
93203 - Carpenter Fld Infrast Reps & Imprvmts	30,000	40,000	50,000	50,000	60,000	60,000	290,000
93205 - Bighthouse Field Infrast Repair/Imprv	500,000	1,210,000	150,000	150,000	150,000	150,000	2,310,000
93247 - Fitness Equipment Purch & Replacement	30,000	50,000	50,000	30,000	30,000	50,000	240,000
93271 - Swimming Pool Renovations & Repairs	150,000	150,000	150,000	150,000	150,000	150,000	900,000
93278 - Long Center Infrastructure Repairs	1,032,600	150,000	150,000	150,000	150,000	150,000	1,782,600
93286 - Pking Lot/Bike Path Resurf & Imprvmt	75,000	75,000	75,000	75,000	75,000	75,000	450,000
93415 - Waterway Maintenance	25,000	25,000	25,000	25,000	25,000	25,000	150,000
93422 - Dredging of City Waterways	100,000	100,000	100,000	100,000	100,000	100,000	600,000
93425 - Seminole Boat Launch Improvements	1,652,000						1,652,000
93497 - Docks & Seawalls	50,000	50,000	50,000	50,000	50,000	50,000	300,000
93499 - Pier 60/Sailing Center Maintenance	40,000	40,000	40,000	40,000	40,000	40,000	240,000
934xx - Seminole Boat Launch Maintenance				10,000	10,000	10,000	30,000
93532 - Library Maker Space Maint & Upgrade	84,510	20,000	20,000	20,000	20,000	20,000	184,510
93533 - Main Library Upgrade to Support Alt Usage	239,340						239,340
93534 - Library FF&E R&R	50,000	50,000	50,000	50,000	50,000	50,000	300,000
935xx - Countryside Library Demolition		72,500					72,500
935xx - East Library Demolition			72,500				72,500
93604 - Boardwalks & Docks Repair & Rplcmt	40,000	40,000	40,000	40,000	40,000	40,000	240,000
93618 - Miscellaneous Park & Rec Contract Svcs	30,000	30,000	30,000	30,000	30,000	30,000	180,000
93633 - Pier 60 Park & Beachwalk Repairs and Improvem	120,000	130,000	140,000	150,000	160,000	170,000	870,000
93634 - Concrete Sidewalk, Pad R & R	50,000	50,000	50,000	60,000	60,000	60,000	330,000
93635 - Park Amenity Purchase & Replacement	140,000	140,000	100,000	100,000	100,000	100,000	680,000
93636 - Tennis & Basketball Court Resurfacing	85,000	200,000	200,000	200,000	200,000	200,000	1,085,000
93637 - Playground & Fit Equip Purch, & Rplcmt	150,000	150,000	150,000	150,000	150,000	150,000	900,000
93638 - Fencing Replacement Program	80,000	85,000	100,000	100,000	100,000	100,000	565,000
93654 - Recreation Centers Infrastructure Repairs	75,000	175,000	75,000	75,000	100,000	150,000	650,000
936xx - Environmental Park Remediation and Protection		50,000	50,000	50,000	50,000	50,000	250,000
936xx - Woodgate Park Renovations		200,000					200,000
94510 - Air Conditioners-City Wide Replacements	200,000	178,000	85,000	85,000	85,000	85,000	718,000
94512 - Roof Repairs	45,000	25,000	25,000	25,000	25,000	25,000	170,000
94514 - Roof Replacements	390,000	150,000	150,000	10,000	50,000	50,000	800,000
94517 - Painting of Facilities	75,000	75,000	50,000	50,000	50,000	50,000	350,000
94518 - Fencing of Facilities	10,000			10,000	10,000	10,000	40,000
94519 - Flooring for Facilities	305,000	230,000	45,000	35,000	60,000	25,000	700,000
94521 - Elevator Refurbishment & Modernization	200,000	200,000	210,000	125,000	125,000	45,000	905,000
94528 - Light Replacement & Repair	200,000	95,000	90,000	90,000	90,000	90,000	655,000
94530 - Building Systems	130,000	185,000	150,000	250,000		550,000	1,265,000
94531 - MSB Renovations	100,000	350,000					450,000
94532 - New A/C System Chiller	100,000	100,000	100,000	100,000	100,000	100,000	600,000
945xx - City Hall Security Hardening		100,000					100,000
94626 - Public Works Complex	87,080	465,920	411,520				964,520
94761 - Pollutant Storage Tank R&R-General Fund	20,000	20,000	20,000	20,000	20,000	20,000	120,000
94803 - Environmental Assessment & Cleanup	50,000	50,000	50,000	50,000	50,000	50,000	300,000
94861 - Library Technology		100,000	100,000				200,000
<b>Subtotal General Revenue</b>	<b>7,309,890</b>	<b>5,972,570</b>	<b>3,781,900</b>	<b>3,160,890</b>	<b>2,969,410</b>	<b>3,498,460</b>	<b>26,693,120</b>
<b>Road Millage</b>							
92277 - Streets & Sidewalks	2,175,420	2,175,420	2,175,420	2,175,420	2,175,420	2,175,420	13,052,520
92559 - City-Wide Intersection Improvements		45,000	30,410	30,400	30,390	30,390	166,590
92562 - Intersection Improvements	45,000		14,590	14,600	14,610	14,610	103,410
<b>Subtotal Road Millage</b>	<b>2,220,420</b>	<b>2,220,420</b>	<b>2,220,420</b>	<b>2,220,420</b>	<b>2,220,420</b>	<b>2,220,420</b>	<b>13,322,520</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Penny for Pinellas</b>							
91269 - Clearwater Beach Fire Station	3,905,560						3,905,560
91271 - Fire Boat	650,000						650,000
912xx - Ladder Truck Replacement		1,155,820					1,155,820
912xx - Lakeview Fire Station		400,000	3,798,460				4,198,460
92274 - Bridge Maintenance & Improvements	133,000	133,000	133,000	137,000			536,000
92276 - Traffic Calming Program	170,000	170,000	170,000	170,000			680,000
92278 - Downtown Streetscaping	2,000,000	2,000,000	2,000,000				6,000,000
92339 - New Sidewalk Construction	472,000	472,000	472,000	473,250			1,889,250
92839 - Downtown Intermodal Facility				2,425,000			2,425,000
93251 - Morningside Recreation Center	2,830,000						2,830,000
93272 - Bicycle Paths-Bridges		750,000	750,000				1,500,000
93412 - City-wide Seawall Replacement	150,000	150,000	150,000	150,000			600,000
93650 - Crest Lake Park Improvements	850,000		750,000				1,600,000
93660 - Sid Lickton Batting Tunnels	50,000						50,000
93661 - Frank Tack Parking Lot	399,500						399,500
936xx - Youth Sports Field Renovations		114,840					114,840
936xx - Woodgate Park Renovations		450,000					450,000
936xx - Del Oro Park Renovations		450,000					450,000
936xx - North East Coachman Park Renovations		300,000					300,000
936xx - Long Center Parking Improvements			550,000				550,000
936xx - Neighborhood Park Renovations				260,000			260,000
936xx - Coachman Park Redevelopment				5,000,000			5,000,000
936xx - Ed Wright Park Renovations				490,000			490,000
94238 - Police Vehicles	300,000	200,000	100,000	100,000			700,000
94532 - New A/C System Chiller	500,000	200,000	600,000	450,000			1,750,000
94888 - City E.O.C. & Disaster Recovery Facility Expansio	360,000	3,000,000					3,360,000
948xx - Replace Hangar "C"			240,000				240,000
<b>Subtotal Penny for Pinellas</b>	<b>12,770,060</b>	<b>9,945,660</b>	<b>9,713,460</b>	<b>9,655,250</b>	<b>0</b>	<b>0</b>	<b>42,084,430</b>
<b>Multi-Modal Impact Fees</b>							
92276 - Traffic Calming Program	150,000						150,000
92561 - New Signal Installations & Renovations	40,000	40,000	40,000	40,000	40,000	40,000	240,000
92562 - Intersection Improvements		100,000	100,000	100,000	100,000	100,000	500,000
<b>Subtotal Multi-Modal Impact Fees</b>	<b>190,000</b>	<b>140,000</b>	<b>140,000</b>	<b>140,000</b>	<b>140,000</b>	<b>140,000</b>	<b>890,000</b>
<b>Local Option Fuel Tax</b>							
92274 - Bridge Maintenance & Improvements	1,175,000	1,186,750	1,186,750	1,186,750	1,186,750	1,186,750	7,108,750
92276 - Traffic Calming Program	25,000	150,000	150,000	150,000	150,000	150,000	775,000
92559 - City-Wide Intersection Improvements	50,000	1,990					51,990
92560 - Signal Renovation	300,000	200,000	100,000	100,000	100,000	100,000	900,000
92562 - Intersection Improvements	100,000	45,000	30,410	30,400	30,390	30,390	266,590
<b>Subtotal Local Option Fuel Tax</b>	<b>1,650,000</b>	<b>1,583,740</b>	<b>1,467,160</b>	<b>1,467,150</b>	<b>1,467,140</b>	<b>1,467,140</b>	<b>9,102,330</b>
<b>Special Program Fund</b>							
92842 - U.S. 19 Wayfinding Project	500,000						500,000
93602 - Special Events Equip Repairs & Rplcmt	30,000	30,000	30,000	30,000	30,000	30,000	180,000
<b>Subtotal Special Program</b>	<b>530,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>680,000</b>
<b>Special Revenue Fund - CRA</b>							
9xxx - Festival Core				1,000,000			1,000,000
<b>Subtotal Special Revenue Fund</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Grants - Other Agencies</b>							
93652 - Countryside Plex Restroom/Concession/Storage	100,000						100,000
94886 - Clearwater Airpark Masterplan Update	80,000						80,000
948xx - Ground Support Equipment Upgrade		80,000					80,000
948xx - Replace Hangar "C"			960,000				960,000
948xx - New Multiplane Hangar				560,000			560,000
948xx - Permanent Terminal Building					3,040,000		3,040,000
948xx - Security System Upgrade						400,000	400,000
<b>Subtotal Grants - Other Agencies</b>	<b>180,000</b>	<b>80,000</b>	<b>960,000</b>	<b>560,000</b>	<b>3,040,000</b>	<b>400,000</b>	<b>5,220,000</b>
<b>Donations</b>							
93652 - Countryside Plex Restroom/Concession	50,000						50,000
93660 - Sid Lickton Batting Tunnels	50,000						50,000
<b>Subtotal Donation Revenue</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>
<b>To Be Determined</b>							
9xxxx - Redesign Fort Harrison/Myrtle			2,000,000				2,000,000
9xxxx - Trail Upgrades				800,000			800,000
91152 - Police District 3 Sub Station				5,500,000			5,500,000
926xx - Downtown Parking Garage		9,792,000					9,792,000
93205 - Brighthouse Field Infrast Repair/Improve					6,250,000	5,770,000	12,020,000
93412 - City-wide Seawall Replacement					150,000	150,000	300,000
93425 - Seminole Boat Launch Improvements		4,786,000					4,786,000
935xx - Educational Learning Exhibit			50,000				50,000
94626 - Public Works Complex				4,327,500		21,220	4,348,720
948xx - Permanent Terminal Building					760,000		760,000
948xx - Security System Upgrade						100,000	100,000
<b>Subtotal TBD Revenue</b>	<b>0</b>	<b>14,578,000</b>	<b>2,050,000</b>	<b>10,627,500</b>	<b>7,160,000</b>	<b>6,041,220</b>	<b>40,456,720</b>
<b>Subtotal General Sources</b>	<b>24,950,370</b>	<b>34,550,390</b>	<b>20,362,940</b>	<b>28,861,210</b>	<b>17,026,970</b>	<b>13,797,240</b>	<b>139,549,120</b>
<b>SELF-SUPPORTING FUNDS</b>							
<b>Marine Revenue</b>							
93418 - Utilities Service Replacement	150,000	35,000	35,000	35,000	35,000	35,000	325,000
93419 - Dock R & R	25,000	25,000	25,000	25,000	25,000	25,000	150,000
93420 - Fuel System R & R	10,000	10,000	10,000	10,000	10,000	10,000	60,000
93421 - Marine Facilities Maintenance	25,000	25,000	25,000	25,000	25,000	25,000	150,000
<b>Subtotal Marine Revenue</b>	<b>210,000</b>	<b>95,000</b>	<b>95,000</b>	<b>95,000</b>	<b>95,000</b>	<b>95,000</b>	<b>685,000</b>
<b>Clearwater Harbor Marina Fund</b>							
93410 - Clearwater Harbor Marina Maintenance	40,000	40,000	40,000	40,000	40,000	40,000	240,000
<b>Subtotal Clw Harbor Revenue</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>240,000</b>
<b>Airpark Revenue</b>							
94817 - Airpark Maintenance & Repair	15,000	15,000	15,000	15,000	15,000	15,000	90,000
94886 - Clearwater Airpark Masterplan Update	20,000						20,000
948xx - Ground Support Equipment Upgrade		20,000					20,000
948xx - New Multiplane Hangar				140,000			140,000
<b>Subtotal Airpark Revenue</b>	<b>35,000</b>	<b>35,000</b>	<b>15,000</b>	<b>155,000</b>	<b>15,000</b>	<b>15,000</b>	<b>270,000</b>
<b>Parking Revenue</b>							
92652 - Parking Lot Resurfacing	61,000	50,000	50,000	50,000	50,000	50,000	311,000
92654 - Parking Lot Improvements	250,000	250,000	150,000	150,000	150,000	150,000	1,100,000
92657 - Parking Facilities	300,000	300,000	182,500	184,000	184,000	184,000	1,334,500
93403 - Beach Guard Facility Maintenance	20,000	40,000	25,000	25,000	25,000	25,000	160,000
<b>Subtotal Parking Revenue</b>	<b>631,000</b>	<b>640,000</b>	<b>407,500</b>	<b>409,000</b>	<b>409,000</b>	<b>409,000</b>	<b>2,905,500</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Water Revenue</b>							
94626 - Public Works Complex	162,500		200,000				362,500
96721 - System R&R - Maintenance			290,300		374,250	165,000	829,550
96739 - Reclaimed Water Distribution System			250,000		1,250,000	750,000	2,250,000
96740 - Water Supply & Treatment			305,850			64,700	370,550
96741 - System R & R - Capitalized			15,750		15,750	15,750	47,250
96742 - Line Relocation - Capitalized			153,300		282,500	48,050	483,850
96744 - System Expansion		76,000	76,000	76,000	76,000	76,000	380,000
96774 - Automated Meter Reading					100,000		100,000
<b>Subtotal Water Revenue</b>	<b>162,500</b>	<b>76,000</b>	<b>1,291,200</b>	<b>76,000</b>	<b>2,098,500</b>	<b>1,119,500</b>	<b>4,823,700</b>
<b>Sewer Revenue</b>							
94626 - Public Works Complex	162,500		200,000				362,500
96202 - WWTP Screw Pump Replacement		68,430					68,430
96204 - WWTP UV Disinfection System	21,650	189,800					211,450
96523 - Public Utilities Adm Building R & R	63,150	64,100	22,400		8,000		157,650
96611 - Biosolids Treatment		1,792,400					1,792,400
96615 - Odor Control		87,000					87,000
96630 - Sanitary Sewer Extensions	2,712,100	1,209,240	684,940	2,663,340	87,540		7,357,160
96634 - Sanitary Utility Relocation	8,200	4,450	4,000	4,000	4,000		24,650
96645 - Laboratory Upgrade and R & R	25,400	42,950	5,700				74,050
96654 - Facilities Upgrade & Improvement	726,650		218,300	332,750	50,400		1,328,100
96664 - Water Pollution Control R & R	800,600		525,500	366,050	228,500		1,920,650
96665 - Sanitary Sewer R & R	2,573,600		398,950				2,972,550
96686 - Pump Station Replacement			62,450			1,046,800	1,109,250
<b>Subtotal Sewer Revenue</b>	<b>7,093,850</b>	<b>3,458,370</b>	<b>2,122,240</b>	<b>3,366,140</b>	<b>378,440</b>	<b>1,046,800</b>	<b>17,465,840</b>
<b>Water Impact Fees</b>							
96744 - System Expansion	24,000	24,000	24,000	24,000	24,000	24,000	144,000
<b>Subtotal Water Impact Fees</b>	<b>24,000</b>	<b>24,000</b>	<b>24,000</b>	<b>24,000</b>	<b>24,000</b>	<b>24,000</b>	<b>144,000</b>
<b>Sewer Impact Fees</b>							
96630 - Sanitary Sewer Extensions	12,460	12,460	12,460	12,460	12,460	12,460	74,760
<b>Subtotal Sewer Impact Fees</b>	<b>12,460</b>	<b>12,460</b>	<b>12,460</b>	<b>12,460</b>	<b>12,460</b>	<b>12,460</b>	<b>74,760</b>
<b>Utility R&amp;R</b>							
96202 - WWTP Screw Pump Replacement		263,400					263,400
96204 - WWTP UV Disinfection System	319,950	2,810,200					3,130,150
96523 - Public Utilities Adm Building R & R	133,800	135,900	47,600		17,000		334,300
96615 - Odor Control		923,200					923,200
96619 - WWTP Generator Replacements		820,450					820,450
96634 - Sanitary Utility Relocation	716,800	390,550	356,000	356,000	356,000	360,000	2,535,350
96645 - Laboratory Upgrade and R & R	63,300	107,050	14,300				184,650
96654 - Facilities Upgrade & Improvement	1,846,720	1,523,750	1,946,700	2,967,250	449,600	2,975,000	11,709,020
96664 - Water Pollution Control R & R	2,763,980		2,649,000	2,441,600	1,470,500	1,400,000	10,725,080
96665 - Sanitary Sewer R & R			3,095,500	2,458,250	2,073,050	3,385,000	11,011,800
96686 - Pump Station Replacement					1,628,900	1,180,200	2,809,100
96721 - System R&R - Maintenance				1,025,200	895,750	395,000	2,315,950
96740 - Water Supply & Treatment						110,300	110,300
96741 - System R & R - Capitalized					1,384,250	1,384,250	2,768,500
96742 - Line Relocation - Capitalized					2,067,500	351,950	2,419,450
96743 - Meter/Backflow Rplcmt/Change Out					50,000		50,000
<b>Subtotal Utility R&amp;R</b>	<b>5,844,550</b>	<b>6,974,500</b>	<b>8,109,100</b>	<b>9,248,300</b>	<b>10,392,550</b>	<b>11,541,700</b>	<b>52,110,700</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Stormwater Utility Revenue</b>							
92843 - Survey Equipment Replacement	35,000	3,500	3,500	3,500	3,500	3,500	52,500
94626 - Public Works Complex	110,720	1,080,710	174,130	1,729,740		2,270	3,097,570
96124 - Storm Pipe System Improvements	2,002,910	1,136,610	2,691,930	1,661,970	2,974,330	4,708,940	15,176,690
96168 - Stormwater System Expansion	318,300	327,900	337,800	347,700	358,200	369,000	2,058,900
96169 - Stevenson Creek	1,326,250	1,366,250	1,407,500	1,448,750	1,492,500	1,537,500	8,578,750
96170 - Coastal Basins Improvement Projects	1,061,000	1,093,000	1,126,000	1,159,000	1,194,000	1,230,000	6,863,000
96173 - Alligator Creek Watershed Projects	1,326,250	1,366,250	1,407,500	1,448,750	1,492,500	1,537,500	8,578,750
<b>Subtotal Stormwater Utility Revenue</b>	<b>6,180,430</b>	<b>6,374,220</b>	<b>7,148,360</b>	<b>7,799,410</b>	<b>7,515,030</b>	<b>9,388,710</b>	<b>44,406,160</b>
<b>Gas Revenue</b>							
96358 - Environmental Remediation	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96365 - Line Relocation Pinellas-Maintenance	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96367 - Gas Meter Change-Out - Pinellas	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96374 - Line Relocation - Pinellas - Capitalized	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96376 - Line Relocation - Pasco - Maintenance	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96377 - Pinellas New Mains & Service Lines	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	9,000,000
96378 - Pasco New Mains & Service Lines	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	9,000,000
96379 - Gas Meter Change-Out - Pasco	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96381 - Line Relocation - Pasco - Capitalized	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96384 - Pinellas Building	12,500,000	7,500,000	200,000	200,000	200,000	200,000	20,800,000
96386 - Expanded Energy Conservation	1,000,000	750,000	750,000	750,000	750,000	750,000	4,750,000
96387 - Natural Gas Vehicle	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000
96389 - Future IMS Software and Hardware	50,000	50,000	50,000	50,000	50,000	50,000	300,000
96391 - Gas System - Pasco Building		50,000	50,000	50,000	50,000	50,000	250,000
<b>Subtotal Gas Revenue</b>	<b>17,100,000</b>	<b>11,900,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>4,600,000</b>	<b>47,400,000</b>
<b>Solid Waste Revenue</b>							
96426 - Facility R & R	125,000	125,000	125,000	125,000	125,000	125,000	750,000
96443 - Residential Container Acquisition	125,000	125,000	125,000	125,000	125,000	125,000	750,000
96444 - Commercial Container Acquisition	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
96445 - Solar Trash and Recycling Kiosks	25,000	25,000	25,000	25,000	25,000	25,000	150,000
96448 - Solid Waste CNG Station		1,500,000					1,500,000
<b>Subtotal Solid Waste Revenue</b>	<b>525,000</b>	<b>2,025,000</b>	<b>525,000</b>	<b>525,000</b>	<b>525,000</b>	<b>525,000</b>	<b>4,650,000</b>
<b>Recycling Revenue</b>							
96804 - Recycling Container Acquisition	90,000	90,000	90,000	90,000	90,000	90,000	540,000
96805 - Recycl Expan R&R & Participation Program	10,000	10,000	10,000	10,000	10,000	10,000	60,000
<b>Subtotal Recycling Revenue</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>600,000</b>
<b>Subtotal Self-Supporting Funds</b>	<b>37,958,790</b>	<b>31,754,550</b>	<b>24,489,860</b>	<b>26,450,310</b>	<b>26,204,980</b>	<b>28,917,170</b>	<b>175,775,660</b>
<b><u>INTERNAL SERVICE FUNDS</u></b>							
<b>General Services Fund Revenue</b>							
94533 - General Services R&R	75,000	10,000	10,000	10,000	10,000	10,000	125,000
<b>Subtotal General Services Revenue</b>	<b>75,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>125,000</b>
<b>Garage Fund Revenue</b>							
94233 - Motorized Equipment Rplcmt - Cash	46,800	48,210	49,650	51,140	52,680	54,260	302,740
94243 - Radio P25 Upgrade	100,000	100,000	100,000	100,000			400,000
94245 - Fleet Industrial Fans	80,000						80,000
94246 - Fleet Management and Mapping	320,000						320,000
945xx - Generator Maintenance		100,000				100,000	200,000
<b>Subtotal Garage Fund Revenue</b>	<b>546,800</b>	<b>248,210</b>	<b>149,650</b>	<b>151,140</b>	<b>52,680</b>	<b>154,260</b>	<b>1,302,740</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Administrative Services Revenue</b>							
94626 - Public Works Complex				231,860			231,860
94729 - Citywide Connectivity Infrastructure	300,000	100,000	100,000	100,000	100,000	100,000	800,000
94736 - Geographic Information System	50,000	50,000	50,000	50,000	50,000	50,000	300,000
94828 - Financial System Upgrades	800,000	800,000	800,000	800,000	800,000	400,000	4,400,000
94829 - CIS Upgrades	50,000	50,000	50,000	50,000	50,000	50,000	300,000
94830 - MS/Licensing Upgrades	100,000	50,000	50,000	50,000	100,000	100,000	450,000
94833 - Computer Monitors	10,000	10,000	10,000	10,000	10,000	10,000	60,000
94857 - Accela Permit & Code Enforce Upgrade	50,000	50,000	50,000	50,000	50,000	50,000	300,000
94873 - Citywide Cameras System	25,000	50,000					75,000
94874 - City Enterprise Time Keeping System	25,000						25,000
94880 - Granicus Agenda Management Sys	25,000	25,000	25,000	25,000	25,000	25,000	150,000
94883 - Business Process Review & Improve Project	150,000	150,000	150,000	150,000	150,000	150,000	900,000
<b>Subtotal Administrative Services Revenue</b>	<b>1,585,000</b>	<b>1,335,000</b>	<b>1,285,000</b>	<b>1,516,860</b>	<b>1,335,000</b>	<b>935,000</b>	<b>7,991,860</b>
<b>Subtotal Internal Service Funds</b>	<b>2,206,800</b>	<b>1,593,210</b>	<b>1,444,650</b>	<b>1,678,000</b>	<b>1,397,680</b>	<b>1,099,260</b>	<b>9,419,600</b>
<b>BORROWING</b>							
<b>GENERAL SOURCES</b>							
<b>Lease Purchase - General Fund</b>							
91218 - Fire Engine Replacement			643,220	668,950		723,540	2,035,710
91236 - Rescue Vehicle (Fire)	240,000	240,000		240,000	240,000	240,000	1,200,000
91259 - Radio Replacements		1,155,000					1,155,000
91271 - Fire Boat				68,000			68,000
912xx - Ladder Truck Replacement					1,592,800		1,592,800
93244 - Parks & Beautification Truck, Trailer & Club Car	57,000						57,000
93662 - Administration Vehicle	21,000						21,000
93663 - Athletic Maintenance Equipment	52,840						52,840
936xx - Showmaster Portable Stage		150,000					150,000
94238 - Police Vehicles	680,000	430,000					1,110,000
94244 - Miscellaneous Vehicle Additions	42,000						42,000
<b>Subtotal Lease Purchase - General Fund</b>	<b>1,092,840</b>	<b>1,975,000</b>	<b>643,220</b>	<b>976,950</b>	<b>1,832,800</b>	<b>963,540</b>	<b>7,484,350</b>
<b>Subtotal Borrowing/General Sources</b>	<b>1,092,840</b>	<b>1,975,000</b>	<b>643,220</b>	<b>976,950</b>	<b>1,832,800</b>	<b>963,540</b>	<b>7,484,350</b>
<b>SELF-SUPPORTING FUNDS</b>							
<b>Lease Purchase - Parking</b>							
94244 - Miscellaneous Vehicle Additions	22,000						22,000
<b>Subtotal Lease Purchase - Parking</b>	<b>22,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22,000</b>
<b>Lease Purchase - Gas</b>							
96390 - Gas Vehicle Additions	233,000						233,000
96392 - Gas Equipment Additions	191,000						191,000
<b>Subtotal Lease Purchase - Gas</b>	<b>424,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>424,000</b>
<b>Lease Purchase - Water</b>							
96781 - Compact Track Loader	62,000						62,000
<b>Subtotal Lease Purchase - Water</b>	<b>62,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62,000</b>
<b>Lease Purchase - Sewer</b>							
96211 - Godwin Diesel Pump	72,000						72,000
962xx - Trailer Mounted Bio-solids Centrifuge		1,100,000					1,100,000
<b>Subtotal Lease Purchase - Sewer</b>	<b>72,000</b>	<b>1,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,172,000</b>

# Summary of Funding Sources

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	Total
<b>Future Bond Issue - Water &amp; Sewer</b>							
94626 - Public Works Complex		3,100,000		4,000,000		112,240	7,212,240
96202 - WWTP Screw Pump Replacement		418,170					418,170
962xx - WET NNC Rule Compliance		1,407,410					1,407,410
96611 - Biosolids Treatment		457,600	3,073,220				3,530,820
96615 - Odor Control		139,800					139,800
96619 - WWTP Generator Replacement		235,110					235,110
96630 - Sanitary Sewer Extensions		1,147,300	1,913,600	439,740			3,500,640
96654 - Facilities Upgrade & Improvement	4,631,700	3,051,250					7,682,950
96664 - Water Pollution Control R & R		4,149,500		118,350			4,267,850
96665 - Sanitary Sewer R & R		9,825,000	2,695,050	1,555,750	1,311,950		15,387,750
96686 - Pump Station Replacement		1,240,500	2,000,050	1,430,000	813,600	2,243,010	7,727,160
96721 - System R&R - Maintenance		1,760,000	694,720	1,339,870			3,794,590
96739 - Reclaimed Water Distribution System		600,000	1,000,000	250,000			1,850,000
96740 - Water Supply & Treatment		1,750,000	1,944,150	1,500,000			5,194,150
96741 - System R & R - Capitalized		1,400,000	1,384,250	1,400,000			4,184,250
96742 - Line Relocation - Capitalized		485,000	1,121,700	400,000			2,006,700
96743 - Meter/Backflow Rplcmt/Change Out		50,000	50,000	50,000		50,000	200,000
96764 - R.O. Plant Expansion Res # 1		750,000					750,000
96766 - Water Quality Monitoring Devices				600,000			600,000
96768 - Rebate - Well, Lake, Pond Irig Abd		20,000		20,000			40,000
96773 - Groundwater Replenishment Facility		5,104,000	9,236,000				14,340,000
96775 - Arsenic Removal Water Treat Plant #3			8,150,000				8,150,000
<b>Subtotal Water &amp; Sewer Future Bond Issue</b>	<b>4,631,700</b>	<b>37,090,640</b>	<b>33,262,740</b>	<b>13,103,710</b>	<b>2,125,550</b>	<b>2,405,250</b>	<b>92,619,590</b>
<b>Subtotal Borrowing/Self Supporting Funds</b>	<b>5,211,700</b>	<b>38,190,640</b>	<b>33,262,740</b>	<b>13,103,710</b>	<b>2,125,550</b>	<b>2,405,250</b>	<b>94,299,590</b>
<b><u>INTERNAL SERVICE FUNDS</u></b>							
<b>Lease Purchase - Garage</b>							
94241 - Motorized Equipment Replacement-L/P	6,440,600	6,569,410	6,700,800	6,834,820	6,971,520	7,110,940	40,628,090
94243 - Radio P25 Upgrade	1,000,000						1,000,000
<b>Subtotal Lease Purchase - Garage</b>	<b>7,440,600</b>	<b>6,569,410</b>	<b>6,700,800</b>	<b>6,834,820</b>	<b>6,971,520</b>	<b>7,110,940</b>	<b>41,628,090</b>
<b>Lease Purchase - Administrative Services</b>							
94814 - Network Infrastructure & Server R&R	350,000	350,000	350,000	350,000	400,000	400,000	2,200,000
94824 - IT Disaster Recovery Equipment	30,000	30,000	35,000	35,000	50,000	50,000	230,000
94827 - Telecommunications Upgrades	25,000	25,000	25,000	25,000	50,000	50,000	200,000
<b>Subtotal Lease Purchase - Admin. Services</b>	<b>405,000</b>	<b>405,000</b>	<b>410,000</b>	<b>410,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,630,000</b>
<b>Subtotal Borrowing/Internal Service Funds</b>	<b>7,845,600</b>	<b>6,974,410</b>	<b>7,110,800</b>	<b>7,244,820</b>	<b>7,471,520</b>	<b>7,610,940</b>	<b>44,258,090</b>
<b>TOTAL: ALL FUNDING SOURCES</b>	<b>79,266,100</b>	<b>115,038,200</b>	<b>87,314,210</b>	<b>78,315,000</b>	<b>56,059,500</b>	<b>54,793,400</b>	<b>470,786,410</b>

