



FY 2016 - FY 2020 CAPITAL IMPROVEMENT PLAN



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5 Year Capital Improvement Plan

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OFFICE OF THE CITY MANAGER

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MEMORANDUM

TO: Hon. Mayor and City Commissioners

FROM: Michael Bornstein
City Manager

DATE: September 15, 2015

SUBJECT: FY 2016-2020 Capital Improvement Plan (CIP)

In accordance with the City Charter, I hereby submit to the City Commission the proposed 5-Year Capital Improvement Plan (FY 2016-2020) for the City of Lake Worth, which includes the Park of Commerce economic development project.

A Capital Expenditure is the approved budget for improvements to, or acquisition of infrastructure, park development, building, construction or expansion, utility systems, streets or other physical structure with a cost of \$25,000 or more.

The Capital Improvement Plan for FY 2016-2020 totals \$66,605,201 as shown in **Table .1** and reflects the costs of capital improvement projects in excess of \$25,000 throughout the city for the next five years. Upon adoption by the Commission, the project costs of \$20,806,471 for the year FY 2016 will be part of the City's FY 2016 Annual Operating Budget.

SUMMARY OF PROJECTS BY DEPARTMENTS								
DEPARTMENTS	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Yr Total	Total Proj Est.	% / 5 Yr Total
Community Sustainability	-	-	-	-	-	-	-	0%
Information Technology	75,000	50,000	50,000	50,000	50,000	275,000	375,000	2%
Leisure Services	-	35,000	-	-	-	35,000	35,000	0%
Public Services	1,424,282	2,228,812	2,414,852	2,710,708	1,595,370	10,374,024	10,839,285	19%
Utility Electric	875,000	125,000	1,675,000	5,735,000	125,000	8,535,000	9,432,167	27%
Utility Water & Sewer	18,432,189	12,661,703	7,529,374	4,506,350	4,256,561	47,386,177	53,307,132	52%
Totals	\$20,806,471	\$15,100,515	\$11,669,226	\$13,002,058	\$6,026,931	\$66,605,201	\$73,988,584	100%
% / Year	31%	23%	18%	20%	9%	100%		

Table .1



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Of the total capital improvement costs contained in the FY 2016-2020 Plan, \$8.7M relates to the Park of Commerce project /Phase I as shown in Table .2, under the category of Economic Development. The majority of the capital projects in the FY 2016-2020 CIP are contained in three departments, most notably in the Public Services, Electric Utility, and Water & Sewer Departments with a 98% share of the 5-Yr expenditures.

SUMMARY BY PROJECT CATEGORY								
PROJECT CATEGORY	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Yr Total	Total Proj Est.	% / 5 Yr Total
Building Maintenance	-	125,000	-	-	-	125,000	125,000	0.53%
Economic Development	8,700,000	3,500,000	-	-	-	12,200,000	13,750,250	7.28%
Electric Systems	875,000	125,000	1,675,000	5,735,000	125,000	8,535,000	9,432,167	26.68%
Infrastructure	30,000	420,922	97,852	237,958	467,370	1,254,102	1,254,102	6.08%
Leisure Programs	-	35,000	-	-	-	35,000	35,000	0.08%
Sewer Maintenance	2,577,031	1,199,671	2,006,223	477,280	371,100	6,631,305	7,863,305	9.00%
Streets Maintenance	669,282	1,390,890	1,670,000	1,812,000	476,000	6,018,172	6,483,433	11.40%
Technology Improvement	75,000	50,000	50,000	50,000	50,000	275,000	375,000	2.23%
Vehicle Replacement	960,000	292,000	647,000	660,750	652,000	3,211,750	3,211,750	1.83%
Water System	6,920,158	7,962,032	5,523,151	4,029,070	3,885,461	28,319,872	31,458,577	34.90%
Totals	20,806,471	15,100,515	11,669,226	13,002,058	6,026,931	66,605,201	73,988,584	100%
% Expenditures by Year	31%	23%	18%	20%	9%	100%		

Table .2

To recap our strategy, the City modified and expanded the Capital Improvement Plan into a more refined management tool and comprehensively identified long term infrastructural capital needs of the City. The next phase is to responsibly fund the capital projects which upon completion would attract businesses and other economic activities to the city. Staff also promoted a more holistic approach to capital management, where a number of projects that were shown individually in multiple departments, because of various funding sources, have now been consolidated into single projects under one department. For example, the redevelopment of the Park of Commerce consists of many new roads, storm water facilities and utility services which are all now included within the Park of Commerce Fund as a single economic development project. This should make it easier to identify total costs of capital projects and to better conceptualize the various project components.



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- A summary of some of our capital activities are captured under various departments.

Information Technology:

FY 2016-20 Capital Improvement Plan (CIP) total reflects consistent cost levels to improve and maintain the necessary technological infrastructural City-wide; and will focus on Network Infrastructure Replacement and Microsoft Enterprise Agreement. The I.T department will also continue their year round task of work station upgrades.

Public Service:

The Public Services department will have the continued task of streets maintenance throughout the city that includes fixing potholes, milling, resurfacing, and paving. Their Fleet Division is also responsible for multiple vehicle replacements during the upcoming year with Sanitation investing \$625K in replacement of front load and one-arm trucks.

Electric Utility

The Electric Utility department is also tasked with major contributions to the Park of Commerce project / phase 1 as shown in **Table .3** under the category of Available Bond Proceeds in the amount of \$2.875M. Additionally, Electric Utility will be conducting overhaul to generators, turbines, relay systems, and expansion to the control room.

Water and Sewer

The Water and Sewer Department has been a stand-alone department since FY 2014, and is tasked with critical 2" watermain replacement project, construction of new wells, and rehabilitation of sewer lining and lift stations for an approximate amount of \$10.7M as shown in **Table .3** under the categories of Water, Sewer, and the State Revolving Fund (SRF) loan.

The Water & Sewer department will also be spearheading the Park of Commerce project. The City is expecting approximately \$4.3M in grants to help fund the Park of Commerce project.



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SUMMARY OF PROJECTS BY FUNDING SOURCES								
FUNDING SOURCES	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Yr Total	Total Proj Est.	% / 5 Yr Total
Available Bond Proceeds	2,875,000	125,000	1,675,000	5,735,000	125,000	10,535,000	11,432,167	53.3%
Beach Fund	-	-	-	-	-	-	-	-
Capital Improvement Fund	-	125,000	-	-	-	125,000	1,175,000	1.1%
Electric Fund	-	-	-	-	-	-	-	1.2%
Garage/Fleet Fund	100,000	-	-	-	-	100,000	100,000	0.7%
General Fund	-	-	-	-	-	-	-	0.2%
Golf Course Fund	-	35,000	-	-	-	35,000	35,000	0.1%
Grants (Federal)	1,000,000	-	-	-	-	1,000,000	1,000,000	2.2%
Grants (State)	3,500,000	2,500,000	-	-	-	6,000,000	6,000,000	-
Information Technology Fund	75,000	50,000	50,000	50,000	50,000	275,000	375,000	2.2%
Local Sewer Fund	3,077,031	1,449,671	2,006,223	477,280	371,100	7,381,305	8,313,305	8.6%
Refuse Fund	625,000	292,000	647,000	660,750	652,000	2,876,750	2,876,750	-
Road Improvement Fund	155,939	1,390,890	1,670,000	1,812,000	476,000	5,504,829	5,702,694	11.4%
Stormwater Fund	1,030,000	670,922	97,852	237,958	467,370	2,504,102	2,504,102	6.1%
SRF Loan - (2" Watermain Proj)	3,196,000	3,196,000	3,196,000	3,196,000	3,196,000	15,980,000	16,796,000	-
Water Fund	4,659,158	5,266,032	2,327,151	833,070	689,461	13,774,872	16,097,577	11.3%
Totals	20,806,471	15,100,515	11,669,226	13,002,058	6,026,931	66,605,201	73,988,584	100%

Table .3

Tables .3 and .4 show the same capital expenditure data, however, separated into funding sources and project category to better identify the scope of projects across the board, and how they are funded throughout the five-year period of FY 2016-2020.

SUMMARY BY PROJECT CATEGORY								
PROJECT CATEGORY	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Yr Total	Total Proj Est.	% / 5 Yr Total
Building Maintenance	-	125,000	-	-	-	125,000	125,000	0.53%
Economic Development	8,700,000	3,500,000	-	-	-	12,200,000	13,750,250	7.28%
Electric Systems	875,000	125,000	1,675,000	5,735,000	125,000	8,535,000	9,432,167	26.68%
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Leisure Programs	-	35,000	-	-	-	35,000	35,000	0.08%
Sewer Maintenance	2,577,031	1,199,671	2,006,223	477,280	371,100	6,631,305	7,863,305	9.00%
Streets Maintenance	669,282	1,390,890	1,670,000	1,812,000	476,000	6,018,172	6,483,433	11.40%
Technology Improvement	75,000	50,000	50,000	50,000	50,000	275,000	375,000	2.23%
Vehicle Replacement	960,000	292,000	647,000	660,750	652,000	3,211,750	3,211,750	1.83%
Water System	6,920,158	7,962,032	5,523,151	4,029,070	3,885,461	28,319,872	31,458,577	34.90%
Totals	20,806,471	15,100,515	11,669,226	13,002,058	6,026,931	66,605,201	73,988,584	100%
% Expenditures by Year	31%	23%	18%	20%	9%	100%		



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Table .4

Conclusion:

A comprehensive 5-Year Capital Improvement Plan affords the City the opportunity to strategize on how best to implement and execute capital projects. This document is the result of the professional input from the City Manager's Office, Budget Team and all City departments with capital projects. This CIP document constructively reflects the critical needs of the city after many years of neglect.

The FY 2016-2020 Capital Improvement Plan has been presented to the City Commission for their review and input during multiple budget workshops, and is hereby submitted for adoption at the first Public Hearing of the Annual Operating Budget process on September 15, 2015.

Michael Bornstein

Capital Improvement Plan (CIP)

Introduction

The City of Lake Worth's Capital Improvement Program (CIP) is an official statement of public policy regarding the long-range plan of capital projects and their related minimum cost of **\$25,000**. The CIP serves as an authorized guide for the acquisition, maintenance and replacement of the City's assets and infrastructure in the most cost efficient manner. The Capital Improvement Plan calendar timeline is part of, and included in the Annual Operating Budget calendar.

All five (5) years of the CIP requests are considered equally important and must be verifiable with regards to the Capital Project's estimated costs. Additionally, the first three (3) years of any project must have viable and verifiable funding sources.

The Capital Improvement Program (CIP) is distinct from the Annual Operating Budget. The Adopted CIP authorizes capital projects while the Annual Operating Budget authorizes the fiscal year expenditures for employee salaries and benefits, contractual services, other operating expenses, and Departmental Capital Outlay items costing less than \$25,000. The first year expenditures of the CIP are included in the fiscal year Annual Operating Budget.

The CIP accomplishes the following:

1. Identifies capital projects and their related costs,
2. Provides a planning schedule of such projects,
3. Identifies options for funding or financing projects.
4. Earmarks ongoing related costs upon completion of the project

Capital Projects should include any or all of the following costs:

1. Pre-Construction (i.e. Survey)
2. Design / Plans / Engineering
3. Land Acquisition
4. Permits
5. Construction
6. Inspection / Testing
7. Furniture / Fixtures / Equipment
8. Contingency / Miscellaneous
9. Other / Indirect

Capital Improvement Plan (CIP)

The CIP should result in the acquisition of or addition to fixed assets in any or all of the following forms,

1. Acquisition of land,
2. Construction of a new building / facility,
3. Expansion / rehabilitation of an existing building / facility,
4. Infrastructure improvements of a permanent nature (i.e. roads),
5. Purchase of major equipment (i.e. Machinery, furniture, fixtures).

Policies and Objectives:

1. A Capital Project is defined as a capital expenditure with a minimum value of \$25,000:
2. The City will develop and update a five-year CIP annually in order to add new projects, re-evaluate existing programs, and revise projects based on new requirements, changes to the cost structure, or new sources of funding.
3. All capital projects listed in the CIP must have viable funding sources in the first three years.
4. The CIP must serve as a tool for implementing the City of Lake Worth's Comprehensive Plan.
5. To re-evaluate project priorities on a yearly basis to ensure the most important Capital Projects are developed based on the ranking system.
6. To determine the operational impact of projects on the City's Annual Operating Budget.
7. The CIP committee (Directors, Project Managers) will review each project based on established criteria, prior to any project being included in the CIP,
8. To facilitate long-range financial planning by matching estimated revenue against capital needs, establishing capital expenditures, and identifying the need for municipal borrowing,
9. To serve as a guide for the City Commission to make sound budgetary decisions,
10. To promote and enhance economic development of the City of Lake Worth,
11. To forecast the orderly acquisition, replacement and rehabilitation of public facilities, and the systematic replacement of vehicles and equipment,

Capital Improvement Plan (CIP)

12. To promote sound financial planning in order to enhance and protect the bond rating of the City of Lake Worth.
13. To serve as a source of information for stakeholders on the development plans for the City.
14. To provide an opportunity for citizens to voice their opinions on the development of the City's facilities and infrastructure.

The Preparation and Review Process of the CIP

The City's Capital Improvement Program process begins in January of each year. The CIP manual and the blank Project Request Forms are delivered to Department Directors and their designee(s) to complete their requests for the next 5-year period.

The Project Request Form must be fully completed in a separate Excel 'tab' for each project; and all designated areas of input must be filled in, where applicable.

The last section of the Project Request Form is the 'Net Operational Impact' section which must be filled in for Office of Management and Budget to include in the budget.

Directors are required to prioritize their projects by assigning a number code of 1 – 5 for each project with #5 being the highest priority.

Department Director's assessment of project priority should be based on the benefits to be derived from such project, the enhancement to the City's existing policies (i.e. Comprehensive Plan), and the needs of the City's residents.

The City's administration (City Manager, Budget Team, Directors) reviews each project request, and the following aspects are weighed in the Capital Project decision making process:

- Critical Projects
 - Life Safety Emergency: Project relates directly to saving or protecting lives.
 - Legal Liability: If the project is not funded, legal action against the local Government is imminent.
 - Prior Binding Commitment: Project to be undertaken due to commitments created through actions of the City Commission.

Capital Improvement Plan (CIP)

- Operational Issues
 - The project will increase operational efficiencies, positively impact levels of service, or satisfy currently unmet needs.
- Operational Savings
 - The project will result in decreased operating costs for the City of Lake Worth.
- Strategic Importance
 - The project is a crucial part of the City's growth plan or the project impacts a particular population segment, geographical area, or political jurisdiction of special concern.
- Partnership Funding
 - The project will receive grants or sources of funding other than those from the City of Lake Worth.
- Other Considerations
 - Category for projects that present unique opportunities for the City of Lake Worth to undertake that do not fall into any of the above categories.

Approval & Adoption Process

Although the Capital Improvement Plan is part of the annual budget review process, it is adopted separately.

Through budget workshops, the proposed CIP document is presented to the City Commission for their review, questions and recommendations.

The Budget Team will make the necessary revisions, additions or deletions (if any)

The final CIP document is submitted to the City Commission at the first public hearing of the annual operating budget, to be adopted by way of Resolution which approves the CIP in principle.

Upon yearly adoption of the CIP, the 5-year Schedule of Capital Improvements will then update the Capital Improvement Element of the City's Comprehensive Plan per Florida Statute 163.3177(3)(b)1.

Funding Policy

In order for a Capital Improvement Program to be an effective management planning tool, the program must include not only major capital needs and their costs but also a financing plan for the entire life of the project. The financing plan must include an analysis of the available resources, which will be used to

Capital Improvement Plan (CIP)

fund not only the Capital Project but also the associated operating expenses derived from the project's completion. The financing plan is prepared in such a manner to be as accurate and informative as possible for the benefit of all City residents.

Debt vs. Pay-As-You-Go Financing

The issuance of municipal debt or other debt (i.e. State Revolving Loans) is most appropriate under the following circumstances:

1. There's a small number of relatively large dollar value projects.
2. The large projects cannot be broken into segments and the costs distributed over a larger time frame without impairing the usefulness of the project.
3. The projects are non-recurring.
4. Assets acquired have a relatively long useful life that equals or exceeds the life of the debt. Through long-term bond or note financing, the cost of projects having a long useful life can be shared by future residents who will benefit from the projects.

Pay-As-You-Go financing is most appropriate under the following circumstances:

1. A large number of projects having a relatively small dollar value.
2. Projects that can be broken down into phases with a portion completed each year without impairing the overall effectiveness of the project.
3. Projects that are of a recurring nature.
4. Projects where the assets acquired will have relatively short useful lives.

The primary advantage of pay-as-you-go financing is that interest costs and debt issuance costs can be avoided. However, if inappropriately used, this financing plan may cause tax rates and fee structures to increase suddenly and may result in current residents paying a greater portion of projects that benefit future residents.

Capital Improvement Plan (CIP)

City of Lake Worth, Florida

FY 2016 - 2020 CIP



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)

Project Title:	Street Repairs / Maintenance	Category Criteria	Critical Repairs
Department:	Public Services	Division:	Streets Maintenance
Project Manager:	Director's Name	Project Location:	City Wide
Project Identification Number:	PS-XX-XXXX	Programmed:	No
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures PYs 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits		SAMPLE FORM						-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	-	-	-	-	-	-	-	\$ -

Project Description:

Project Need / Justification / Benefits:

List of Equipment (to be Purchased) from Furniture / Bixtures / Equipment Above:

	-	-
	-	-
	-	-

Capital Improvement Plan (CIP)

Project Title: (Page 2 of 2) **Street Repairs / Maintenance**

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures PYs 9/30/14 FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001							-
Road Improvement Fund - 170							-
Capital Projects Fund - 301							-
Park of Commerce - 304							-
Master Plan Fund - 305							-
Electric Fund - 401							-
Water Fund - 402							-
Local Sewer Fund - 403							-
Regional Sewer Fund - 405							-
Stormwater Fund - 408							-
Refuse Fund - 410							-
Information Tech. Fund - 510							-
Garage Fund - 530							-
Total City Funding:	-	-	-	-	-	-	\$ -

SAMPLE FORM

#2) Grant Funding:	Estimated Expenditures PYs 9/30/14 FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants							-
State Grants							-
County Grants							-
Total Grant Funding:	-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures PYs 9/30/14 FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt							-
Bond Proceeds							-
Internal Financing							-
Total Other Outside Funding:	-	-	-	-	-	-	\$ -

#4) Revenue Enhancements:	Estimated Expenditures PYs 9/30/14 FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
							-
							-
Total Revenue Enhancements:	-	-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures PYs 9/30/14 FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-
Total Revenue Funding:	-	-	-	-	-	-	\$ -

This section must be completed for all applicable projects.
Please list future revenues and expenses once project is completed and fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-	
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-	
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-	
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-	
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)				3

Capital Improvement Plan (CIP)

Instructions

1. The Capital Improvement Program "Project Request Form" has been designed to provide a complete picture of the proposed Capital Project in terms of the following 3 major concepts:
 - a. Detailed Costs of the Project over 5-years,
 - b. Funding Sources of the Capital Project over 5-years,
 - c. Future Operating Cost Implications once Capital Project is completed.
2. For "Responsible Department,"
 - a. Use the drop-down box to indicate which Department is requesting the Capital Project.
 - b. Use the drop-down box to indicate the correct "Division" within the Department.
3. For "Project Manager" put the name of the Department Director, Division Manager or designee of the requested Capital Project.
4. There is a new "Criteria Category" please click on the drop-down box and select the appropriate type or nature of the capital project...e.g. "Improvements" or "Critical Repairs"; not related to scheduled repairs and maintenance.
5. For "Project Location" put the location by street address or name of facility of the project.
6. For "Programmed" category, click on the drop-down box and indicate **yes** or **no**. See Glossary/Definitions section for explanation of Programmed and Non-Programmed.
7. For "Project Priority" put **1, 2, 3**, etc. with **1** being the lowest priority Capital Project.
8. For all Capital Projects, include the Budgeted Expenditures for each year of the project – Under "Project Elements" List the costs (i.e. Pre-Construction, Design / Plans / Engineering, etc.).
9. For *existing* Capital Projects, there are 2 columns titled "PYs as of 9/30/2014" and "Budgeted FY 2015." These columns are utilized to determine what the prior year costs were for the Capital Projects. Place all expenditures as of 9/30/2014 in the first column and place the budgeted expenditures for FY 2015 in the second column.
10. For "Project Description," place a clear and comprehensive description of the project in this cell. Ensure all Project Elements are considered. (Attach pictures).
11. For "Project Need/Justification" please state the need and purpose for the project request
NOTE: Please hold down "Alt" and press "Enter" to move down to the next row to create a new paragraph within the cell.

Capital Improvement Plan (CIP)

12. For "List of Equipment" (to be purchased) from Furniture / Fixtures / Equipment Above," list all the items that the project requires to be purchased in order to complete the Capital Project.
13. For "Revenue/Funding Schedule," there are 4 types of Funding:
 - a. City Funding – place the amount(s) that the governmental or proprietary fund(s) will supply to the project,
 - b. Grant Funding – place the amount(s) that the City of Lake Worth expects to obtain from being awarded particular grants to support the project,
 - c. Other Outside Funding – place the amount(s) that the City of Lake Worth will utilize from either issuing new debt, available debt proceeds currently in existence, or other sources of outside funding (i.e. Florida State Revolving Loan).
 - d. Revenue Enhancements – place the amount that the City of Lake Worth will earn from completion of the project (i.e. if the project implements new parking meters, how much the City will earn from such meters).
14. For "Operational Impact," place the best estimates of the yearly operational revenues and expenses once the project has been completed. These expenses must be budgeted in the Annual Operating Budget on a yearly basis to support the ongoing maintenance of the project. If upon completion the Capital Project will produce revenues, list the specific types of revenues the Capital Project will generate.

Glossary / Terms/Definitions

Committed (i.e. Encumbered*) budgeted funds for CIP projects that are unspent at the end of the fiscal year will be carried over to the next fiscal year.

Uncommitted budgeted funds for CIP projects that are unspent at the end of the fiscal year will be reviewed annually and determined if they are to be carried over to the next fiscal year.

Encumbrance: A commitment related to an unfilled contract for goods or services; a purchase order outstanding.

Programmed Projects - A Programmed project is such that the project is already out of the conceptual stage and is, at a minimum, in the planning stage.

Non Programmed Projects - A Non-Programmed project is such that the project is still in its conceptual stage and is currently not in the planning stage.

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

SUMMARY SCHEDULES OF CAPITAL PROJECTS



FY 2016 - 2020 CIP Summary Schedule

Page #	Departments / Divisions Project Description	Estimated Expenditures		Fiscal Year	5 Yr Total	Total Project				
		thru 9/30/14	FY15 Bud	2016	2017	2018	2019	2020	FY 2016-2020	Estimate
	I. PUBLIC SERVICES DEPARTMENT									
	A. Streets Maintenance									
1	6th Ave S - Dixie Hwy to Federal Hwy - Mill & Overlay	-	197,865	-	-	-	-	-	-	197,865
1	11th Ave South Greenway project	-	267,396	-	-	-	-	-	-	267,396
1	MP0102 - Tropical Dr & Barton Rd	-	-	669,282	-	-	-	-	669,282	669,282
1	MP0101 - North K St & North M St - 2nd Ave N to 9th Ave	-	-	-	673,390	-	-	-	673,390	673,390
1	MP0103 - North F Street - 5th Ave N to 10th Ave N				525,000				525,000	525,000
1	MP0607 - Vassar Drive and Bryn Mawr Dr				70,000	450,000			520,000	520,000
1	MP0608 - Duke Drive - Federal Hwy to Lakeside				42,000	243,000			285,000	285,000
1	MP0608 - N Lakeside Dr - Wellesley Dr to Duke Dr				62,000	360,000			422,000	422,000
1	MP0608 - Wellesley Dr - N Lakeside to Notre Dame Dr				18,500	107,000			125,500	125,500
1	MP0201 - Snowden Dr (6th Ave S to Lake Osborne) and Collier Dr (Snowden Dr to Lake Osborne)					230,000			230,000	230,000
1	MP0202 - South C,D,E,F St (Lake Ave to 3rd Ave S)					280,000			280,000	280,000
1	MP0104 - 15th, 16th, 17th, 18th Ave N; Terrace Dr.						932,000		932,000	932,000
1	MP0203 - South B,C,F St (3rd Ave S to 6th Ave S) and 3rd,4th,5th Ave S (South C St to S F St)						355,000		355,000	355,000
1	MP0401 - Elm St and South F St						74,000		74,000	74,000
1	MP0501 - 15th Ave S (S M St to Lakeside) and S N St (13th Ave S to Dixie)						45,000		45,000	45,000
1	MP0502 - Wright Dr, Small Dr, Barber Dr						176,000		176,000	176,000
1	MP0503 - S East Coast St and South H St (Lake Ave to 6th Ave S)						230,000		230,000	230,000
1	MP0603 - Hillcrest Drive - Montague to Crest							46,000	46,000	46,000
1	MP0604 - South K,L,M St (Lake Ave to 3rd Ave S) and 1st							253,000	253,000	253,000
1	MP0605 - 15th Ave S and S G St							55,000	55,000	55,000
1	MP0601 - 13th Ave N and 11th Ave N (N A St to I-95)							50,000	50,000	50,000
1	MP0602 - N H St - 2nd Ave N to 5th Ave N							72,000	72,000	72,000
	Sub-Total	-	465,261	669,282	1,390,890	1,670,000	1,812,000	476,000	6,018,172	6,483,433
	B. Facilities Management									
3	Install A/C Chiller Lines /City Hall	-	-	-	125,000	-	-	-	125,000	125,000
	Sub-Total	-	-	-	125,000	-	-	-	125,000	125,000
	C. Stormwater									
5	GIS Services	-	-	30,000	-	-	-	-	30,000	30,000
5	11th Ave N - North A St. to North F St.	-	-	-	210,461	-	-	-	210,461	210,461
5	12th Ave N - North A St. to North F St.	-	-	-	210,461	-	-	-	210,461	210,461
5	16th Ave North - North A St to North D St	-	-	-	-	32,291	-	-	32,291	32,291
5	17th Ave North - North A St to North D St	-	-	-	-	32,291	-	-	32,291	32,291

FY 2016 - 2020 CIP Summary Schedule

Page #	Departments / Divisions Project Description	Estimated Expenditures		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	5 Yr Total	Total Project
		Thru 9/30/14	FY15 Bud	2016	2017	2018	2019	2020	FY 2016-2020	Estimate
5	18th Ave North - North A St to North D St	-	-	-	-	33,270	-	-	33,270	33,270
5	North K St. - 2nd Ave N to 9th Ave N	-	-	-	-	-	118,979	-	118,979	118,979
5	North M St. - 2nd Ave N to 9th Ave N	-	-	-	-	-	118,979	-	118,979	118,979
5	North F St. - 11th Ave N to 13th Ave N	-	-	-	-	-	-	118,721	118,721	118,721
5	Duke Drive - Federal Hwy to Lakeside	-	-	-	-	-	-	348,649	348,649	348,649
	Sub-Total	-	-	30,000	420,922	97,852	237,958	467,370	1,254,102	1,254,102
	D. Garage / Fleet									
7	Fleet Replacement (1/2 ton & under)	-	-	100,000	-	-	-	-	100,000	100,000
9	Public Services (Refuse)	-	-	625,000	292,000	647,000	660,750	652,000	2,876,750	2,876,750
11	Water & Sewer Vehicles	-	-	235,000	-	-	-	-	235,000	235,000
	Sub-Total	-	-	960,000	292,000	647,000	660,750	652,000	3,211,750	3,211,750
	E. Stormwater - Funding (P.O.C) Only									
N/A	Funding only for P.O.C project			1,000,000	Stormwater is funding \$1M for the POC project, included in POC project amt.				1,000,000	1,000,000
	Public Services Total:	-	465,261	2,659,282	2,228,812	2,414,852	2,710,708	1,595,370	11,609,024	12,074,285
	II. COMBINED DEPARTMENT PROJECT									
	A. Park of Commerce (POC)									
13	Park of Commerce	500,250	1,050,000	8,700,000	3,500,000	-	-	-	12,200,000	13,750,250
	Park of Commerce Project Total:	500,250	1,050,000	8,700,000	3,500,000	-	-	-	12,200,000	13,750,250
	III. LEISURE SERVICES DEPARTMENT									
	A. Golf Course									
15	Golf Course Shed Replacement	-	-	-	35,000	-	-	-	35,000	35,000
	Sub-Total	-	-	-	35,000	-	-	-	35,000	35,000
	Leisure Services Total:	-	-	-	35,000	-	-	-	35,000	35,000
	IV. UTILITY - ELECTRIC									
	A. Electric - Power Generation									
17	MU 1&5 Overhaul & Generator Rebuild	-	-	100,000	-	-	-	-	100,000	100,000
19	GT-2 Gas Turbine Overhaul & Control	-	-	500,000	-	-	-	-	500,000	500,000
	Sub-Total	-	-	600,000	-	-	-	-	600,000	600,000

FY 2016 - 2020 CIP Summary Schedule

Page #	Departments / Divisions Project Description	Estimated Expenditures		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	5 Yr Total	Total Project
		thru 9/30/14	FY15 Bud	2016	2017	2018	2019	2020	FY 2016-2020	Estimate
	B. Electric - Transmission & Distribution									
21	Control Room & System Relays Upgrade	252,167	125,000	275,000	125,000	125,000	125,000	125,000	775,000	1,152,167
23	15th Avenue South Sub-Station	-	-	-	-	360,000	1,390,000	-	1,750,000	1,750,000
25	Capital Equipment for Long Range Plan	-	-	-	-	570,000	-	-	570,000	570,000
27	26.4 KV Sub Transmission Loop - North	80,000	80,000	-	-	80,000	420,000	-	500,000	660,000
29	26.4 KV Sub Transmission Loop - South	-	-	-	-	80,000	520,000	-	600,000	600,000
31	4th Ave North Sub-Station	-	-	-	-	100,000	1,650,000	-	1,750,000	1,750,000
33	18th Ave North Sub-Station	-	360,000	-	-	-	1,390,000	-	1,390,000	1,750,000
35	6th Avenue South Sub-station	-	-	-	-	360,000	240,000	-	600,000	600,000
	Sub-Total	332,167	565,000	275,000	125,000	1,675,000	5,735,000	125,000	7,935,000	8,832,167
	C. Electric - Funding (P.O.C) Only									
N/A	Funding only for P.O.C proj (Bond Proceeds)			2,000,000	Electric UT is funding \$2M for the POC project, included in POC project amt.				2,000,000	2,000,000
	Utility - Electric Total:	332,167	565,000	2,875,000	125,000	1,675,000	5,735,000	125,000	10,535,000	11,432,167
	V. UTILITY - WATER & SEWER									
	A. Water Distribution									
37	Watermain Replacement (Park of Commerce)	-	-	700,000	Water UT is funding \$700K for the POC project, included in POC project amt.				700,000	700,000
37	Watermain Replacement (Master Plan Projects)	-	330,000	934,158	3,064,032	1,627,151	523,070	359,461	6,507,872	6,837,872
39	2" Watermain Replacement	-	816,000	3,196,000	3,196,000	3,196,000	3,196,000	3,196,000	15,980,000	16,796,000
41	8th Ave S Watermain	-	40,000	300,000	-	-	-	-	300,000	340,000
43	Watermain - Lake & Lucerne, G, J, K, L, M St	-	50,000	800,000	-	-	-	-	800,000	850,000
45	Watermain - Columbia & pennsylvania	-	-	100,000	-	-	-	-	100,000	100,000
	Sub-Total	-	1,236,000	6,030,158	6,260,032	4,823,151	3,719,070	3,555,461	24,387,872	25,623,872
	B. Water Treatment									
47	HS Pumps # 3, 4, 5 Repl	-	350,000	-	300,000	-	-	-	300,000	650,000
49	Slaker #4	-	200,000	100,000	-	-	-	-	100,000	300,000
51	Water Plant Structural Repairs	-	-	750,000	-	-	-	-	750,000	750,000
53	Flash Mixer Structural Modification	-	-	350,000	-	-	-	-	350,000	350,000
55	Ground Storage Tank Repairs	-	-	200,000	-	-	-	-	200,000	200,000
57	Ground Storage Tank Transfer Pump	-	-	-	60,000	-	-	-	60,000	60,000
59	Clearwell Structural Improvements	-	-	70,000	500,000	-	-	-	570,000	570,000
61	Washwater Recovery Basin	-	10,000	-	60,000	600,000	-	-	660,000	670,000
63	Membrane Replacement at RO Plant	-	-	-	-	-	250,000	250,000	500,000	500,000
	Sub-Total	-	560,000	1,470,000	920,000	600,000	250,000	250,000	3,490,000	4,050,000

FY 2016 - 2020 CIP Summary Schedule

Page #	Departments / Divisions Project Description	Estimated Expenditures		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	5 Yr Total	Total Project
		thru 9/30/14	FY15 Bud	2016	2017	2018	2019	2020	FY 2016-2020	Estimate
	C. Water Production									
65	Well # 4 New Constr	-	-	-	-	-	-	80,000	80,000	80,000
67	Well # 9 Generator	-	-	-	-	100,000	-	-	100,000	100,000
69	Well # 17 New Constr	-	-	60,000	662,000	-	-	-	722,000	722,000
71	Well # 18a & 18b (Testing Only)	-	50,000	60,000	-	-	-	-	60,000	110,000
73	Well # 18 New Constr	-	-	-	-	-	60,000	-	60,000	60,000
75	Well # 16,17,18 Raw Wtr Main Constr	69,500	1,223,205	-	120,000	-	-	-	120,000	1,412,705
	Sub-Total	69,500	1,273,205	120,000	782,000	100,000	60,000	80,000	1,142,000	2,484,705
	C. Local Sewer Collection & Pumping									
77	Sewer Masterplan Projects (Park of Commerce)	-	-	500,000	Local Sewer Is funding \$500K for POC project, included in POC project amt.				500,000	500,000
77	Sewer Masterplan Projects	-	600,000	727,031	134,671	1,131,223	177,280	71,100	2,241,305	2,841,305
79	Global Manhole Rehabilitation Lining Project	87,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	687,000
81	Lift Station #4 Trunk Line	-	-	-	25,000	175,000	-	-	200,000	200,000
83	11th Ave N Trunkline Rehab	-	50,000	800,000	-	-	-	-	800,000	850,000
85	New Sewer 11th to 12th Ave S, B to C	-	25,000	150,000	-	-	-	-	150,000	175,000
87	Sewer Repair 5th to 6th from E to F	-	30,000	200,000	-	-	-	-	200,000	230,000
89	Sewer Rehab 3rd Ave North	-	-	50,000	700,000	-	-	-	750,000	750,000
91	Collector Main Rehabilitation	-	-	-	200,000	200,000	200,000	200,000	800,000	800,000
93	Lift Station # 4 Coll Main Replacement	-	40,000	400,000	-	-	-	-	400,000	440,000
95	Lift Station #16 Piping Control Panel	-	-	150,000	-	-	-	-	150,000	150,000
97	Replace Lift Station # 12	-	-	-	40,000	400,000	-	-	440,000	440,000
	Sub-Total	87,000	845,000	3,077,031	1,199,671	2,006,223	477,280	371,100	7,131,305	8,063,305
	D. Regional Sewer Collection & Pumping									
N/A	Water Main Repl Masterplan Projs - see # 79	-	300,000	-	-	-	-	-	-	300,000
	Sub-Total	-	300,000	-	-	-	-	-	-	300,000
	Utility - Water & Sewer Total:	156,500	4,214,205	10,697,189	9,161,703	7,529,374	4,506,350	4,256,561	36,151,177	40,521,882
	VI. INFORMATION TECHNOLOGY									
99	Microsoft Enterprise Agreement	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	350,000
101	Network Infrastructure Replacement	-	-	25,000	-	-	-	-	25,000	25,000
	Information Technology Total:	50,000	50,000	75,000	50,000	50,000	50,000	50,000	275,000	375,000
	Gross Total:	1,038,917	6,344,466	25,006,471	15,100,515	11,669,226	13,002,058	6,026,931	70,805,201	78,188,584
	Adjust P.O.C funding from Electric Fund			(2,000,000)	-	-	-	-	(2,000,000.0)	(2,000,000.0)
	Adjust P.O.C funding from Water Fund			(700,000)	-	-	-	-	(700,000.0)	(700,000.0)
	Adjust P.O.C funding from Local Sewer			(500,000)	-	-	-	-	(500,000.0)	(500,000.0)
	Adjust P.O.C funding from Stormwater Fund			(1,000,000)	-	-	-	-	(1,000,000.0)	(1,000,000.0)
	Net Grand Total:	1,038,917	6,344,466	20,806,471	15,100,515	11,669,226	13,002,058	6,026,931	66,605,201	73,988,584
	5 Yr Total Percentage (%)			31%	23%	18%	20%	9%	100%	

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

**5-YEAR
CAPITAL IMPROVEMENT PLAN**

FISCAL YEAR 2016 - 2020

DETAIL PROJECTS BY DEPARTMENT/DIVISION



**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

PUBLIC SERVICES

- **Streets Maintenance**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)							
Project Title:	Road Improvement	Category Criteria	Improvements				
Responsible Department:	Public Services	Division:	Streets Maintenance				
Project Manager:	Director	Project Location:	Multiple				
Project Identification Number:	XX-XX-XXXX	Programmed:	Yes				
Project Type / Duration:	() New (X) Existing () 1-Year () Multi-Yr	Project Priority:	3				

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	PYs 9/30/14	FY2015 Bud						
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		25,000		192,500	510,000	880,000	476,000	2,083,500
Land Acquisition								-
Permits								-
Construction		440,261	669,282	1,198,390	1,160,000	932,000	-	4,399,933
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures		\$ 465,261	\$ 669,282	\$ 1,390,890	\$ 1,670,000	\$ 1,812,000	\$ 476,000	\$ 6,483,433

Project Description								
6th Ave S - Dixie Hwy to Federal Hwy - Mill & Overlay		197,865						
11th Ave South Greenway project		267,396						
MP0102 - Tropical Dr & Barton Rd			669,282					
MP0101 - North K St & North M St - 2nd Ave N to 9th Ave N				673,390				
MP0103 - North F Street - 5th Ave N to 10th Ave N				525,000				
MP0607 - Vassar Drive and Bryn Mawr Dr				70,000	450,000			
MP0608 - Duke Drive - Federal Hwy to Lakeside				42,000	243,000			
MP0608 - N Lakeside Dr - Wellesley Dr to Duke Dr				62,000	360,000			
MP0608 - Wellesley Dr - N Lakeside to Notre Dame Dr				18,500	107,000			
MP0104 - 15th, 16th, 17th, 18th Ave N, Terrace Dr.						932,000		
MP0201 - Snowden Dr (6th Ave S to Lake Osborne) and Collier Dr (Snowden Dr to Lake Osborne)					230,000			
MP0202 - South C,D,E,F St (Lake Ave to 3rd Ave S)					280,000			
MP0203 - South B,C,F St (3rd Ave S to 6th Ave S) and 3rd,4th,5th Ave S (South C St to S F St)						355,000		
MP0401 - Elm St and South F St						74,000		
MP0501 - 15th Ave S (S M St to Lakeside) and S N St (13th Ave S to Dixie)						45,000		
MP0502 - Wright Dr, Small Dr, Barber Dr.						176,000		
MP0503 - S East Coast St and South H St (Lake Ave to 6th Ave S)						230,000		
MP0603 - Hillcrest Drive - Montague to Crest							48,000	
MP0604 - South K,L,M St (Lake Ave to 3rd Ave S) and 1st Ave S (S J St to S M St)							253,000	
MP0605 - 15th Ave S and S G St							55,000	
MP0601 - 13th Ave N and 11th Ave N (N A St to I-95)							50,000	
MP0602 - N H St - 2nd Ave N to 5th Ave N							72,000	
		\$ 465,261	\$ 669,282	\$ 1,390,890	\$ 1,670,000	\$ 1,812,000	\$ 476,000	\$ 6,483,433

Project Need / Justification / Benefits:								
<p>These projects, which place values on a vital part of the City's infrastructure, have been coordinated with the City's Utilities Department and their Water/Sewer Installation/maintenance schedule. The Departments were able to establish a construction sequence by meshing the Utilities proposed project schedule with the recently completed Public Services Stormwater Masterplan and Roadway & Sidewalk Masterplan based on service need and existing roadway Pavement Condition Index. Every road in Lake Worth has now been assigned a PCI rating from 0 (failed) to 100 (excellent). Treatment bands have been created based on this rating system with specific resolutions assigned to each range as follows: 100 - 91: Excellent Condition and in no need of repair - <u>Do Nothing</u>. 90 - 83: Good Condition, may be in need of minor localized repair or crack sealing - <u>Routine Maintenance</u>. 82 - 71: Fair Condition, pavement surface may be in need of surface sealing, full depth patch, or crack sealing - <u>Preventive Maintenance</u>. 70 - 56: Deficient Condition, surface in need of added strength for existing traffic. Mill and overlay - <u>Structural Improvement</u>. 55 - 0: Poor Condition, in need of base improvement. Reclamation or full depth reconstruction - <u>Base Rehabilitation</u>.</p>								
List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:								
			-	170-5020-519-63-15			-	

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	Estimated Total
General Fund - 001								-
Road Improvement Fund - 170		197,865	155,939	1,390,890	1,670,000	1,812,000	476,000	5,702,694
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
City Self Insurance Fund -								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	197,865	155,939	1,390,890	1,670,000	1,812,000	476,000	\$ 5,702,694
#2) Grant Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	Estimated Total
Federal Grants								-
State Grants								-
County Grants		267,396	513,343					780,739
Total Grant Funding:	-	267,396	513,343	-	-	-	-	\$ 780,739
#3) Other Outside Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Insurance Proceeds								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	Estimated Total
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	Estimated Total
City Funding	-	197,865	155,939	1,390,890	1,670,000	1,812,000	476,000	5,702,694
Grant Funding	-	267,396	513,343	-	-	-	-	780,739
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 465,261	\$ 669,282	\$ 1,390,890	\$ 1,670,000	\$ 1,812,000	\$ 476,000	\$ 6,483,433

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)	-		\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

PUBLIC SERVICES

- **Facilities Management**





**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Install AC Chiller Lines - Front of City Hall	Category Criteria	Improvements
Responsible Department:	Public Services	Division:	Building Maintenance
Project Manager:	Director	Project Location:	City Hall
Project Identification Number:	PS-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	2

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering				25,000				25,000
Land Acquisition								-
Permits								-
Construction				75,000				75,000
Inspection / Testing								-
Furniture / Fixtures / Equipment				25,000				25,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ 125,000

Project Description
Install new chiller lines for front of City Hall.

Project Need / Justification / Benefits:
The front part of City Hall is supplied with AC from window AC's and wall units. This part of the building is cut off from the the new chiller unit which was recently installed and can easily supply this portion of the building. With the replacement of the old windows with impact glass windows, the removal of these window units and wall units is necessary. The removal of these old AC units will greatly improve the building's appearance.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
Chiller Lines	-		-
Air Handlers	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	PYs 9/30/14	FY2015 Bud						
General Fund - 001								-
Capital Improvement Fund - 301				125,000				125,000
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
City Self Insurance Fund -								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	125,000	-	-	-	\$ 125,000
#2) Grant Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	PYs 9/30/14	FY2015 Bud						
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	PYs 9/30/14	FY2015 Bud						
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Insurance Proceeds								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	PYs 9/30/14	FY2015 Bud						
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	PYs 9/30/14	FY2015 Bud						
City Funding	-	-	-	125,000	-	-	-	125,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ 125,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

PUBLIC SERVICES

- **Stormwater**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Stormwater	Category Criteria	Mandatory/Regulation
Responsible Department:	Public Services	Division:	Stormwater Division
Project Manager:	Director	Project Location:	Multiple
Project Identification Number:	XX-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering			30,000	50,000	10,000	28,000	56,000	174,000
Land Acquisition								-
Permits								-
Construction				370,922	87,852	209,958	411,370	1,080,102
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 30,000	\$ 420,922	\$ 97,852	\$ 237,958	\$ 467,370	\$ 1,254,102

Project Description								
GIS Services			30,000					
11th Ave N - North A St. to North F St.				210,461				
12th Ave N - North A St. to North F St.				210,461				
16th Ave North - North A St to North D St					32,291			
17th Ave North - North A St to North D St					32,291			
18th Ave North - North A St to North D St					33,270			
North K St. - 2nd Ave N to 9th Ave N						118,979		
North M St. - 2nd Ave N to 9th Ave N						118,979		
North F St. - 11th Ave N to 13th Ave N							118,721	
Duke Drive - Federal Hwy to Lakeside							348,649	
			\$ 30,000	\$ 420,922	\$ 97,852	\$ 237,958	\$ 467,370	1,254,102

Project Need / Justification / Benefits:

These projects, which place values on a vital part of the City's infrastructure, have been coordinated with the City's Utilities Department and their Water/Sewer installation/maintenance schedule. The Departments were able to establish a construction sequence by meshing the Utilities proposed project schedule with the recently completed Public Services Stormwater Masterplan and Roadway & Sidewalk Masterplan based on service need and existing roadway Pavement Condition Index. Every road in Lake Worth has now been assigned a PCI rating from 0 (failed) to 100 (excellent). Treatment bands have been created based on this rating system with specific resolutions assigned to each range as follows: 100 - 91: Excellent Condition and in no need of repair - Do Nothing. 90 - 83: Good Condition, may be in need of minor localized repair or crack sealing - Routine Maintenance. 82 - 71: Fair Condition, pavement surface may be in need of surface sealing, full depth patch, or crack sealing - Preventive Maintenance. 70 - 56: Deficient Condition, surface in need of added strength for existing traffic. Mill and overlay - Structural Improvement. 55 - 0: Poor Condition, in need of base improvement. Reclamation or full depth reconstruction - Base Rehabilitation.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
-	408-5090-538-63-15	-
-		-
-		-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	9/30/14	FY2015 Bud						
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408			30,000	420,922	97,852	237,958	467,370	1,254,102
City Self Insurance Fund -								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	30,000	420,922	97,852	237,958	467,370	\$ 1,254,102

#2) Grant Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	9/30/14	FY2015 Bud						
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	9/30/14	FY2015 Bud						
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Insurance Proceeds								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -

#4) Revenue Enhancements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
	9/30/14	FY2015 Bud						
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	30,000	420,922	97,852	237,958	467,370	1,254,102
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 30,000	\$ 420,922	\$ 97,852	\$ 237,958	\$ 467,370	\$ 1,254,102

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

PUBLIC SERVICES

- **Garage / Fleet**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Fleet Replacement	Category Criteria	Cost Benefit/Savings
Responsible Department:	Public Services	Division:	Facilities
Project Manager:	Director	Project Location:	N/A
Project Identification Number:	PS-GV1138	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	2 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment	-	-	100,000				-	100,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Project Description:

The Garage Division maintains a fleet of vehicles utilized by Departments within the City of Lake Worth. These type vehicles are replaced as needed, governed by age and/or mileage. The Garage Division plan is to replace four 1-ton or less vehicles in FY2016. The estimated price per vehicle is approximately \$25,000.

Project Need / Justification / Benefits:

As a cost saving measure, the Department did not replace vehicles in FY 2014. This measure was feasible due to the low mileage and relative young age of the fleet. IN addition, the reduction in City Staff facilitated in utilizing the newer vehicles and auctioning the older vehicles in the past 2 years.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	530-9010-549-64-30	-
	-		-
	-		-

Revenue / Funding Schedule

#1) City Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530	-	-	100,000	-	-	-	-	100,000
Total City Funding:		-	100,000	-	-	-	-	\$ 100,000

#2) Grant Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:		-	-	-	-	-	-	\$ -

#4) Revenue Enhancements:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	-

Revenue Funding Summary:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	100,000	-	-	-	-	100,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$	-	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

This section must be completed for all projects.
 Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-	
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-	
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-	
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-	
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			-	
					\$	-



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Refuse Vehicles Purchases	Category Criteria	Improvements
Responsible Department:	Public Services	Division:	Refuse Division
Project Manager:	Director	Project Location:	Multiple
Project Identification Number:	XX-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	1

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	PYs 9/30/14	FY2015 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment			625,000	292,000	647,000	660,750	652,000	2,876,750
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 625,000	\$ 292,000	\$ 647,000	\$ 660,750	\$ 652,000	\$ 2,876,750

Project Description								
Front load refuse truck			295,000					295,000
Pickup truck			25,000					25,000
Container carts			15,000					15,000
Rear steer refuse truck				250,000				250,000
One-arm (automated) refuse truck			290,000					290,000
Pickup truck				26,250				26,250
Container carts				15,750				15,750
One-arm (automated) refuse truck					305,000			305,000
Trash scows					300,000			300,000
Pickup truck					26,250			26,250
Container carts					15,750			15,750
One-arm (automated) refuse truck						305,000		305,000
Rear load garbage truck						305,000		305,000
Container carrier truck						35,000		35,000
Container carts						15,750		15,750
One-arm (automated) refuse truck							305,000	305,000
Rear load garbage truck							305,000	305,000
Pickup truck							26,250	26,250
Container carts							15,750	15,750
	\$ -	\$ -	\$ 625,000	\$ 292,000	\$ 647,000	\$ 660,750	\$ 652,000	\$ 2,876,750

Project Need / Justification / Benefits:

Due to excessive maintenance on existing front load and one-arm trucks, two of these have reached the end of their useful life. The 2016 request includes one of each of these vehicles.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	410-9099-909-70-00 as place holder till	-
	-	account is opened	-
	-		-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
City Self Insurance Fund -								-
Refuse Fund - 410			625,000	292,000	647,000	660,750	652,000	2,876,750
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	625,000	292,000	647,000	660,750	652,000	\$ 2,876,750
#2) Grant Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Insurance Proceeds								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY	FY	FY	FY	FY	FY2016 - FY2020
	PYs 9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	Estimated Total
City Funding	-	-	625,000	292,000	647,000	660,750	652,000	2,876,750
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 625,000	\$ 292,000	\$ 647,000	\$ 660,750	\$ 652,000	\$ 2,876,750

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel	-	B.5- Utilities	-	
A.2- Revenue #2	-	B.2- Debt Service Costs	-	B.6- Materials/Supplies	-	
A.3- Revenue #3	-	B.3- Contract Services	-	B.7- Equipment	-	
A.4- Revenue #4	-	B.4- Fixed Costs	-	B.8- Miscellaneous	-	
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)				\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Water & Sewer Vehicles	Category Criteria	New/Improvements
Responsible Department:	Utilities	Division:	Sewer Collection & Pump
Project Manager:	Larry Johnson	Project Location:	N/A
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment			235,000					235,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ -	\$ -	\$ 235,000

Project Description:
 For Water Distribution: Purchase of a new 14 Yard Dump Truck to replace #147. Estimated cost = \$145,000
 Purchase of two (2) replacement trucks #264 & #289. Estimated Cost = \$90,000

Project Need // Justification // Benefits:
 The vehicles being replaced have reached the end of their useful life, and will be traded in for the new vehicles. These vehicles are vital to the operations of the sanitary sewer collection system and the water distribution system.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:			
	-	402-7034-533-46-99 = \$235K	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402			235,000	-	-	-	-	235,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	235,000	-	-	-	-	\$ 235,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	235,000	-	-	-	-	235,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ -	\$ -	\$ 235,000

This section must be completed for all projects. Please list
 future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

PUBLIC SERVICES

- **Lake Worth Park of Commerce**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

304-5020-541-63-15

Project Title:	Park of Commerce	Category Criteria	New/Improvements
Responsible Department:	Community Sustainability	Division:	Planning & Zoning
Project Manager:	Director	Project Location:	Park of Commerce
Project Identification Number:	CD-GV-1001	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	4 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
			Phase I	Phase I	Phase II	Phase II	Phase II	
Pre-Construction (i.e. Survey)			-					-
Design / Plans / Engineering	500,250	700,000	-					1,200,250
Land Acquisition	-	350,000	-					350,000
Permits	-	-	-					-
Construction-Roads and Drainage	-		4,200,000	2,500,000				6,700,000
Construction - Water and Sewer			1,200,000	750,000				1,950,000
Construction - Electric			2,000,000					2,000,000
Construction - Telephone and Cable	-	-	1,000,000					1,000,000
Construction Management			300,000	250,000				550,000
Total Expenditures	1,550,250	8,700,000	8,700,000	3,500,000	-	-	-	\$ 13,750,250

Project Description:

On August 26, 2009, the City was awarded a \$250,000 grant from the U.S. Department of Commerce's Economic development Administration (EDA) to develop an infrastructure needs analysis for the Lake Worth Park of Commerce (POC). In November of 2010, the needs analysis study was completed by CDM. The City authorized phase 1 design in January 2014, and design was completed in May 2015.

The Lake Worth POC is located in central Palm Beach, adjacent to I-95 and the CSX railway. The boundaries of the POC are generally 10th Avenue North to the north; Lake Worth Road to the south; I-95 to the east; and the E-4 canal to the west. Substantial new development is being considered, pending construction of infrastructure improvements. The City has used the design documents to apply for federal EDA and state legislative grants.

The completion of the construction of phase 1 infrastructure improvements, are vital to the redevelopment of the 393-acre industrial park. The State grant, EDA grant and City match will provide the City necessary capital to proceed with phase 1 construction. This road is recognized as part of the regional transportation infrastructure. The City has accepted transfer of the Boutwell Road right-of-way so that improvements can be provided.

Infrastructure improvements to include roadways, drainage, sanitary sewage, potable water, fire protection, electric supply and telecommunications. The needs analysis study outlines a three phase approach to the improvements. Construction estimates for Phase 1 include \$3 million additional for undergrounding of electric, phone and cable utilities along Boutwell Road

Project Elements Cont'd	FY 2020	FY 2021	FY 2022	FY 2023	FY 2019-23	Grand Total
	Phase III	Phase III	Phase III		Sub-Total	
Design / Plans / Engineering	500,000	100,000	100,000		700,000	
Land Acquisition	500,000	-	-		500,000	
Permits	150,000	25,000	25,000		200,000	
Construction	2,000,000	1,500,000	1,500,000		5,000,000	
Contingency / Miscellaneous	250,000	150,000	150,000		550,000	
Totals	3,400,000	1,775,000	1,775,000	-	6,950,000	20,700,250

Project Need / Justification / Benefits:

The engineering infrastructure study performed by CDM, was completed by November 2010. With the completed study, the City has the necessary details and estimates to prioritize its capital improvements in the POC and schedule them sequentially over the next nine years. In addition to the engineering infrastructure priorities, recommendations on zoning and Comprehensive Plan changes will be made to the City to help create a more business-friendly POC and help with the development and redevelopment of the POC. Years FY 2013 through FY 2021 are only estimates.

Revenue / Funding Schedule

#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Capital Improvement Fund - 301		1,050,000						1,050,000
Park of Commerce Fund - 304	500,250							500,250
Electric Fund - 401								-
Water Fund - 402			700,000	500,000	402-9010-581-91-80			1,200,000
Local Sewer Fund - 403			500,000	250,000	403-9010-581-91-80			750,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408			1,000,000	250,000	408-9010-581-91-80			1,250,000
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Total City Funding:		1,550,250	2,200,000	1,000,000	-	-	-	\$ 4,750,250

#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants			1,000,000		304-5020-541-63-15			1,000,000
County Grants								-
State Grants FDOT Funding/In-Kind			3,500,000	2,500,000	304-5020-541-63-15			6,000,000
Total Grant Funding:		-	4,500,000	2,500,000	-	-	-	\$ 7,000,000

#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds/Electric U'ground			2,000,000	401-9010-581-91-80				2,000,000
Bond Proceeds/GO Bond			-					-
Total Other Outside Funding:		-	2,000,000	-	-	-	-	\$ 2,000,000

#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenses		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	Bud						
City Funding	500,250	1,050,000	2,200,000	1,000,000				4,750,250
Grant Funding	-	-	4,500,000	2,500,000				7,000,000
Other Outside Funding	-	-	2,000,000					2,000,000
Revenue Enhancements	-	-	-					-
Total Revenue Funding:	1,550,250		8,700,000	3,500,000	-	-	-	\$ 13,750,250

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	
		\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

LEISURE SERVICES

- Golf Course





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Golf Course Shed Replacement	Category Criteria	Critical Repairs/Replace
Responsible Department:	Leisure Services	Division:	Golf Course
Project Manager:	Director	Project Location:	Golf Course
Project Identification Number:	PS-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering				1,000				1,000
Land Acquisition								-
Permits				1,500				1,500
Construction				32,500				32,500
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$	35,000	\$	-	\$	35,000

Project Description:

This project is to replace the damaged roof on the maintenance shed and the 4 rest stations located throughout the golf course. The roof on each of these facilities have exceeded their life expectancy, and will cause further damage to the facilities if not replaced.

Project Need / Justification / Benefits:

This project is to replace the roofing structure of the maintenance shed which has damaged wood from the roof leaks. The project also involves the installation of new modified roofing on the building to make the building safe and stop the leaks. The project also includes replacing the modified roofing on four rest stations throughout the golf course with a standing seam metal roof that will eliminate the current leaks and improve the durability of the structure.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
General Fund - 001								-
Beach Fund - 140								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404				35,000				35,000
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
54A								-
Total City Funding:			-	35,000	-	-	-	\$ 35,000

#2) Grant Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:			-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:			-	-	-	-	-	\$ -

#4) Revenue Enhancements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
								-
								-
Total Revenue Enhancements:			-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
City Funding	-	-	-	35,000	-	-	-	35,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

ELECTRIC UTILITY

- **Power Generation**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	MU1/ MU5 Overhaul & Generator Rebuild	Category Criteria	Critical Repairs
Responsible Department:	Utility Electric	Division:	Power Generation
Project Manager:	Director	Project Location:	Power Plant
Project Identification Number:	UT-EL-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			100,000					100,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$ 100,000	\$	-	\$	-	\$ 100,000

Project Description:

This project is two phase the Cent section Overhauls consists of: Overhauling the engines and replacing the head frame gaskets, main bearings, fuel injector, and rebuild the existing power packs consistent with manufacturer's recommended specifications. The Generators will be transported to an off-site facility to be cleaned, dipped, baked, and equipped with new bearings. An inspection of these units will be conducted in FY2015; and the decision to overhaul or replace will be based on this inspection. It is believed that an overhaul will be sufficient.

Project Need / Justification / Benefits:

The Utility is compensated for each of the M-units at approximately \$43,000 annually for Capacity availability, variable O&M, and start up credits. These units are used by the utility as black start. Records indicate that the last overhaul of these units was 15 years ago.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:

	-	401-6031-531-62-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds			100,000					100,000
Internal Financing								-
Total Other Outside Funding:		-	100,000	-	-	-	-	\$ 100,000
#4) Revenue Enhancements:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2013	FY 2014 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	100,000	-	-	-	-	100,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	-	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B 1- Personnel:	-	B 5- Utilities:	-
A.2- Revenue #2	-	B 2- Debt Service Costs:	-	B 6- Materials/Supplies:	-
A.3- Revenue #3	-	B 3- Contract Services:	-	B 7- Equipment:	-
A.4- Revenue #4	-	B 4- Fixed Costs:	-	B 8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	GT-2 Gas Turbine Overhaul and Control	Category Criteria	Critical Repairs
Department:	Utility Electric	Division:	Power Generation
Project Manager:	Director's Name	Project Location:	Power Generation
Project Identification Number:	PS-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	1

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			500,000					500,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures		-	500,000	-	-	-	-	\$ 500,000

Project Description:

GT-2 is the gas turbine part of the Combined Cycle at the power plant. This unit is called for periodically to provide power for the City of Lake when there are transmission constraints or tie line work being done. This type of unit normally get overhauled according to number of starts or number of on line hours. The control system HMI will also be replaced since it is ten (10) years old and is no longer supported.

Project Need / Justification / Benefits:

GT-2 number 1 bearing vibration is continuing to climb in to the alarm state. This unit has not been in a major overhaul since 2003. The control system Human Machine Interface (HMI) is obsolete and also needs replaced. This project will fix the vibration and control issues.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	401-6031-531-62-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Road Improvement Fund - 170								-
Capital Projects Fund - 301								-
Park of Commerce - 304								-
Master Plan Fund - 305								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:			-	-	-	-	-	\$ -

#2) Grant Funding:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:			-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds			500,000					500,000
Internal Financing								-
Total Other Outside Funding:			500,000	-	-	-	-	\$ 500,000

#4) Revenue Enhancements:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
								-
Total Revenue Enhancements:			-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures 9/30/14	FY2015 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	500,000	-	-	-	-	500,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:			500,000	-	-	-	-	\$ 500,000

This section must be completed for all applicable projects.
Please list future revenues and expenses once project is completed and fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:			Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Control House & System Relay Upgrade	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distribution
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-1003	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			150,000					150,000
Inspection / Testing								-
Furniture / Fixtures / Equipment	252,167	125,000	125,000	125,000	125,000	125,000	125,000	1,002,167
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	377,167		\$ 275,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 1,152,167

Project Description:
 Upgrade existing relay equipment. The existing protection schemes for the electric distribution system are antiquated (45 years old) and not adequate for reliable service.

This project will replace old relays and schemes with modern solid state devices that will enhance the system reliability. Relay Upgrade and Relay Control House to be constructed for housing electrical distribution system relays and computer servers.

Project Need / Justification / Benefits:
 Ensures compliance with NERC regulations and improves system reliability. Also, construction is to create capacity for system relays and servers.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	401-6034-531-63-00
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401	252,167	-	-	-	-	-	-	252,167
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	252,167		-	-	-	-	-	\$ 252,167

#2) Grant Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:			-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Bond Proceeds			150,000					150,000
Bond Proceeds		125,000	125,000	125,000	125,000	125,000	125,000	750,000
Internal Financing								-
Total Other Outside Funding:		125,000	275,000	125,000	125,000	125,000	125,000	\$ 900,000

#4) Revenue Enhancements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
								-
								-
Total Revenue Enhancements:			-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
City Funding	252,167	-	-	-	-	-	-	252,167
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	125,000	275,000	125,000	125,000	125,000	125,000	900,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	377,167		\$ 275,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 1,152,167

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A 1- Revenue #1	-	B 1- Personnel:	-	B 5- Utilities:	-
A 2- Revenue #2	-	B 2- Debt Service Costs:	-	B 6- Materials/Supplies:	-
A 3- Revenue #3	-	B 3- Contract Services:	-	B 7- Equipment:	-
A 4- Revenue #4	-	B 4- Fixed Costs:	-	B 8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	15th Ave South Sub-Station	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distributi
Project Manager:	Director	Project Location:	15th Ave South
Project Identification Number:	UT-EL-XXXX	Programmed:	Yes
Project Type / Duration:	(X) New () Existing () 1-Year (X) Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction						780,000		780,000
Inspection / Testing								-
Furniture / Fixtures / Equipment					360,000	610,000		970,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$	-	\$	360,000	\$	1,390,000
							\$	1,750,000

Project Description:

This is Project 2E of the Electric Utility Long Range Improvement Plan.

- Build the 15th Avenue South Substation to 15 kV Standards.
- Install a 26.4 to 13.2 kV, 10/12.5 MVA transformer.
- Convert the 15th Avenue South Substation feeders to 13.2 kV and move the load to the new transformers systematically as load dictates.
- The project will be designed and constructed by in house staff. The Construction time is estimated to be 10 months.

Project Need / Justification / Benefits:

The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds			-		360,000	1,390,000		1,750,000
Internal Financing								-
Total Other Outside Funding:		-	-	-	360,000	1,390,000	-	\$ 1,750,000
#4) Revenue Enhancements:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	360,000	1,390,000	-	1,750,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ 1,390,000	\$ -	\$ 1,750,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Capital Equipment for Long Range Plan	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distribut
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment					570,000			570,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$	-	\$ 570,000	\$	-	\$ 570,000

Project Description:
 This CIP combines the capital equipment purchase for projects 2G (12th Avenue South Substation) and 2H (7th Avenue North Substation) of the Electric Utility Long Range Improvement Plan. Transformer purchases for the projects have been moved to FY 2015 to take advantage of bulk purchase prices.

Project Need / Justification / Benefits:
 The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Bank Loan / Debt								-
Bond Proceeds					570,000			570,000
Internal Financing								-
Total Other Outside Funding:		-	-	-	570,000	-	-	\$ 570,000
#4) Revenue Enhancements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	570,000	-	-	570,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ 570,000	\$ -	\$ -	\$ 570,000

This section must be completed for all projects.					
Please list future revenues and expenses of each project per year once fully operational.					
Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

ELECTRIC UTILITY

- **Transmission & Distribution**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	26.4 kV Sub Transmission Loop - North	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distributi
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-1204	Programmed:	Yes
Project Type / Duration:	() New (X) Existing () 1-Year (X) Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction	80,000	10,000				100,000		190,000
Inspection / Testing					5,000			5,000
Furniture / Fixtures / Equipment		70,000			75,000	320,000		465,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	160,000		\$ -	\$ -	\$ 80,000	\$ 420,000	\$ -	\$ 660,000

Project Description:

This CIP is Project 3A of the Electric System Long Range Improvement Plan

- Remove the 26 kV distribution load north of Lucerne and east of I-95 and relocate it to the 15 kV feeders from the 4th Avenue North, 11th Avenue North, and the 18th Avenue North Substations.
- Add 15 kV switches on the distribution system between the three substations.
- Install 26 kV breakers at the 11th Avenue North Substation
- Reconfigure the 26 kV line to a sub transmission loop from the Main Yard Substation through the East Switch Station to the 11th Avenue North Substation, terminating at the Canal Substation.

Project Need / Justification / Benefits:

The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:		
	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -

#2) Grant Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds	80,000	80,000			80,000	420,000		660,000
Internal Financing								-
Total Other Outside Funding:	160,000	-	-	-	80,000	420,000	-	\$ 660,000

#4) Revenue Enhancements:	Estimated Expenditures 9/30/13	FY2014 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures 9/30/12	FY2013 Bud	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	80,000	80,000	-	-	80,000	420,000	-	660,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	160,000		\$ -	\$ -	\$ 80,000	\$ 420,000	\$ -	\$ 660,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B 1- Personnel:	-	B 5- Utilities:	-
A.2- Revenue #2	-	B 2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B 3- Contract Services:	-	B 7- Equipment:	-
A.4- Revenue #4	-	B 4- Fixed Costs:	-	B 8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	26.4 kV Sub Transmission Loop - South	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distributi
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-1205	Programmed:	Yes
Project Type / Duration:	(X) New () Existing () 1-Year (X) Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction						520,000		520,000
Inspection / Testing					80,000			80,000
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$	-	\$	80,000	\$	520,000
							\$	-
								\$
								600,000

Project Description:
 This is Project 3B of the Electric System Long Range Improvement Plan

- Remove the 26 kV distribution load south of Lucerne and east of I-95 and relocate it to the 15 kV feeders from the 6th Avenue South, 12th Avenue South, and 15th Avenue South Substations.
- Install 15 kV switches on the distribution system between the three substations.
- Install 26 kV breakers at the 6th Avenue South and 15th Avenue South Substations.
- Reconfigure the 26 kV line to a sub transmission loop from the Main Yard Substation through the East Switch Station to the 6th and 15th Avenue south Substations, terminating at the Main Yard Substation.

Project Need / Justification / Benefits:
 The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Bank Loan / Debt								-
Bond Proceeds				-	80,000	520,000		600,000
Internal Financing								-
Total Other Outside Funding:		-	-	-	80,000	520,000	-	\$ 600,000
#4) Revenue Enhancements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	80,000	520,000	-	600,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$	-	\$ -	\$ -	\$ 80,000	\$ 520,000	\$ -	\$ 600,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Bank Loan / Debt								-
Bond Proceeds					100,000	1,650,000		1,750,000
Internal Financing								-
Total Other Outside Funding:		-	-	-	100,000	1,650,000	-	\$ 1,750,000
#4) Revenue Enhancements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	100,000	1,650,000	-	1,750,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,650,000	\$ -	\$ 1,750,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:		Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:	
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:	
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:	
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:	
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)		\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

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Project Title:	18th Ave North Sub-Station	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distributi
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-1207	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY	FY	FY	FY	FY	Total Project Estimate
	9/30/13	FY2014 Bud	2016	2017	2018	2019	2020	
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction						930,000		930,000
Inspection / Testing								-
Furniture / Fixtures / Equipment		360,000				460,000		820,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	360,000	\$ -	\$ -	\$ -	\$ 1,390,000	\$ -	\$ 1,750,000

Project Description:
 This CIP is Project 2C of the Electric System Long Range Improvement Plan

- Rebuild the distribution feeders from the 18th Avenue North Substation to 15 kV standards.
- Convert the 18th Avenue North Substation feeders to 13.2 kV and temporarily serve the load from the 11th Avenue North Substation.
- Replace the 18th Avenue North Substation transformer with a 26.4 to 13.2 kV, 10/12.5 MVA unit.
- The project will be designed and constructed by in house staff.

Project Need / Justification / Benefits:
 The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:		
	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -

#2) Grant Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Bank Loan / Debt								-
Bond Proceeds		360,000		-		1,390,000		1,750,000
Internal Financing								-
Total Other Outside Funding:		360,000	-	-	-	1,390,000	-	\$ 1,750,000

#4) Revenue Enhancements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -

Revenue Funding Summary:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	360,000	-	-	-	1,390,000	-	1,750,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$	360,000	\$ -	\$ -	\$ -	\$ 1,390,000	\$ -	\$ 1,750,000

This section must be completed for all projects.
 Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A 1- Revenue #1	-	B 1- Personnel:	-	B 5- Utilities:	-
A 2- Revenue #2	-	B 2- Debt Service Costs:	-	B 6- Materials/Supplies:	-
A 3- Revenue #3	-	B 3- Contract Services:	-	B 7- Equipment:	-
A 4- Revenue #4	-	B 4- Fixed Costs:	-	B 8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	6th Ave South Sub-Station	Category Criteria	Improvements
Responsible Department:	Utility Electric	Division:	Transmission & Distribution
Project Manager:	Director	Project Location:	Various
Project Identification Number:	UT-EL-1208	Programmed:	Yes
Project Type / Duration:	(X) New () Existing () 1-Year (x) Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction						240,000		240,000
Inspection / Testing								-
Furniture / Fixtures / Equipment					360,000			360,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$	-	\$	-	\$	360,000	\$	240,000
								\$
								600,000

Project Description:

This is Project 2D of the Electric System Long Range Improvement Plan

- Convert the 6th Avenue South Substation feeders to 13.2 kV and move the load to the new transformers systematically as load dictates.
- Remove the 4 kV devices from the 6th Avenue South Substation.
- The project will be designed and constructed by in house staff.

Project Need / Justification / Benefits:

The Electric System Long Range Improvement is a comprehensive system rebuild that includes a transmission feeder rated at 138 kV, a Sub Transmission system rated at 26 kV and a distribution system rated at 13.2 kV. The plan is a 10 year effort to properly configure the system to ensure reliability.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE

#1) City/Funding:	Estimated Expenditures		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
	9/30/13	FY2014 Bud						
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	-	-	-	-	-	\$ -
#2) Grant Funding:								
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:								
Bank Loan / Debt								-
Bond Proceeds					360,000	240,000		600,000
Internal Financing								-
Total Other Outside Funding:		-	-	-	360,000	240,000	-	\$ 600,000
#4) Revenue Enhancements:								
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:								
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	360,000	240,000	-	600,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ 240,000	\$ -	\$ 600,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

WATER & SEWER UTILITIES

- **Water Distribution**





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Water Main Replace Masterplan Projects	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Water Distribution
Project Manager:	Larry Johnson	Project Location:	Various
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	P/Ys as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering			-	172,197	479,166	523,070	359,461	1,533,894
Land Acquisition								-
Permits								-
Construction		330,000	1,634,158	2,891,835	1,147,985	-	-	6,003,977
Inspection / Testing				-	-	-	-	-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				-	-	-	-	-
Other / Indirect								-
Total Expenditures	\$ -	\$ 330,000	\$ 1,634,158	\$ 3,064,032	\$ 1,627,151	\$ 523,070	\$ 359,461	\$ 7,537,871

Project Description:

11 th Ave S & S G St	\$ 330,000							330,000
Tropical Dr & Barton Rd		\$ 934,158						934,158
Park of Commerce		\$ 700,000						700,000
O st & S Palm way* MP yr 7				\$ 84,340				84,340
K St & M St				\$ 2,107,696				2,107,696
N F St				\$ 699,798				699,798
Vassar & Byrn Mawr				\$ 86,822	\$ 578,819			665,641
Duke, Lakeside Dr, Wellesley Dr				\$ 85,375	\$ 569,166			654,541
15, 16, 17, 18 Ave N; Terr Dr								-
Snowden & Collier					\$ 236,185			236,185
S, C, D, E, F St					\$ 242,981			242,981
S, B, C, F St 3 rd , 4 th , 5 th Ave						\$ 164,193		164,193
Elm, F St						\$ 15,000		15,000
15 th Ave S & S N St						\$ 100,563		100,563
Wright, Small, Barber Dr						\$ 146,594		146,594
S East Coast & S H St						\$ 96,720		96,720
Hillcrest Dr							\$ 35,281	35,281
S K, L, M, st & 1 st Ave S							\$ 125,528	125,528
15 th Ave S & S G St							\$ 95,243	95,243
13th Ave N & 11th Ave N							\$ 49,265	49,265
N H St - 2 nd to 5 th							\$ 54,144	54,144
		330,000	1,634,158	3,064,032	1,627,151	523,070	359,461	7,537,871

Project Need / Justification / Benefits:

These projects, which place values on a vital part of the City's infrastructure, have been coordinated with the City's Public Services Department and their Roadway reconstruction/maintenance schedule. The Departments were able to establish a construction sequence by meshing the recently completed Utilities fire protection plan and proposed sewer rehabilitation project schedule with the recently completed Public Services Stormwater Masterplan and Roadway & Sidewalk Masterplan. Watermain installations identified in the plan were prioritized based on the number of properties affected based on the following criteria: properties without sufficient fire hydrant coverage (properties at a distance greater than 300 ft from a fire hydrant); properties without sufficient fire protection, where minimum fireflow pressure did not meet the Palm Beach County Fire Rescue requirements. Deteriorated vitrified clay or concrete sewer mains will be replaced or rehabilitated, reducing inflow and infiltration and preventing

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7034-533-63-60 - \$934,158	-
	-	POC went to 402-9010-581-9180 - \$700K	-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	330,000	1,634,158	3,064,032	1,627,151	523,070	359,461	7,537,871
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	330,000	1,634,158	3,064,032	1,627,151	523,070	359,461	\$ 7,537,871
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	330,000	1,634,158	3,064,032	1,627,151	523,070	359,461	7,537,871
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 330,000	\$ 1,634,158	\$ 3,064,032	\$ 1,627,151	\$ 523,070	\$ 359,461	\$ 7,537,871

This section must be completed for all projects.

Please

list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:	Net Impact	
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:	-
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:	-
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:	-
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)		\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	2 Inch Watermain Replacement	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Water Distribution
Project Manager:	Larry Johnson	Project Location:	Alleys, Easements, Roads
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		373,200	564,560	564,560	564,560	564,560	564,560	3,196,000
Land Acquisition								-
Permits								-
Construction		442,800	2,631,440	2,631,440	2,631,440	2,631,440	2,631,440	13,600,000
Inspection / Testing				-	-	-	-	-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				-	-	-	-	-
Other / Indirect								-
Total Expenditures	\$ -	\$ 816,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 16,796,000

Project Description:
 This project will be contracted out to replace all of the identified 2-inch galvanized water mains primarily located in the easements and alleys behind the homes, in addition to some areas where the 2 inch galvanized steel watermains are in the roadway. The project will be carried out in six years, and will replace the corroded steel lines with 4 inch PVC watermains. The mains located in alleys and roadways will be replaced there, while the mains located in easements will be relocated to the roadway in front of the properties.

Project Need / Justification / Benefits:
 The 2013 water distribution study recommended abandoning all 2-inch water mains in the alleys, easements and roadways, and install new 4-inch PVC water mains, improving the water quality and pressure to the properties, as well as reducing the occurrence of watermain breaks, which will decrease the frequency of boil water notices, and reduce maintenance costs.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	402-7034-533-63-15 = \$564,560	-
	-	402-7034-533-63-15 = \$2,631,440	-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	-	-	-	-	-	-	-
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	-	-	-	-	\$ -

#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
SRF Outside Loan		816,000	3,196,000	3,196,000	3,196,000	3,196,000	3,196,000	16,796,000
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	816,000	3,196,000	3,196,000	3,196,000	3,196,000	3,196,000	\$ 16,796,000

#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -

Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	-	-	-	-	-
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	816,000	3,196,000	3,196,000	3,196,000	3,196,000	3,196,000	16,796,000
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 816,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 3,196,000	\$ 16,796,000

This section must be completed for all projects.								Please
list future revenues and expenses of each project <u>per year</u> once fully operational.								
Net Operational Impact:								
A. Revenues Generated:	B. Expenses Incurred:						Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-			
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-			
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-			
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-			
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)				-	\$ -	



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)

Project Title:	8th Ave S Watermain	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Water Distribution
Project Manager:	Larry Johnson	Project Location:	8th Ave S from A St-FEC
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		40,000				-	-	40,000
Land Acquisition								-
Permits								-
Construction			300,000	-		-	-	300,000
Inspection / Testing				-	-	-	-	-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				-	-	-	-	-
Other / Indirect								-
Total Expenditures	\$ -	\$ 40,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 340,000

Project Description:

This project will include the construction of a new 8 inch PVC watermain along 8th Avenue South from the alley west of South A Street to the Alley west of South F Street, and a new 8 inch PVC watermain in the Alley west of F Street from 7th Avenue South to 8th Avenue South. The total length of new watermain will be approximately 2,060 ft. New fire hydrants will be installed along the watermain. The Public Services Department will develop this segment of 8th Avenue South as a greenways project funded by the Palm Beach County Community Development Block Grant (CDBG).

Project Need / Justification / Benefits:

This project will connect the 12 inch transmission main in the Alley west of A Street to the new 8 inch watermain on 7th Avenue South via 8th Avenue South and the South F Street alley. There is currently no watermain providing fire protection to this area. This will bring fire protection and fire coverage, and will replace the badly deteriorated and undersized 2 inch Galvanized Steel watermain in the F Street alley. The services on that block will be reconnected to the new main, improving water quality and service pressure.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:

	-	402-7034-533-63-60	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	40,000	300,000	-	-	-	-	340,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	40,000	300,000	-	-	-	-	\$ 340,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	40,000	300,000	-	-	-	-	340,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 40,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 340,000

This section must be completed for all projects. Please

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:	Net Impact	
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:	-
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:	-
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:	-
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)		\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Water Main Lake & Lucerne, G J K L M St	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Water Distribution
Project Manager:	Larry Johnson	Project Location:	lake & Lucerne, G J K L M St
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		50,000			-	-	-	50,000
Land Acquisition								-
Permits								-
Construction			800,000	-	-	-	-	800,000
Inspection / Testing				-	-	-	-	-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				-	-	-	-	-
Other / Indirect								-
Total Expenditures	\$ -	\$ 50,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000

Project Description:

This project has been identified by water distribution staff to replace several problem areas in the downtown corridor where there have been frequent watermain breaks. The lines are undersized and lack Palm Beach County Health Department required minimum separation from other utilities, as well as ground depth. The new lines will be PVC, and will be sized in accordance with fireflow requirements. This project will also connect two 12inch mains that serve as a water distribution system backbone in the downtown area.

Project Need / Justification / Benefits:

This project will reduce the watermain breaks for the downtown area, thereby reducing the frequency of boil water notices, improving water service pressure and quality, and reducing maintenance costs, as well as bringing the system into compliance with Health Department requirements. The project will also remove two dead ends to the system, and improve water circulation, pressure, and help maintain chlorine residuals in this area.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	402-7034-533-63-60	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	50,000	800,000	-	-	-	-	850,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	50,000	800,000	-	-	-	-	\$ 850,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	50,000	800,000	-	-	-	-	850,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 50,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000

This section must be completed for all projects.				Please
Net Operational Impact:				
A. Revenues Generated:	B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	* B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	* B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	* B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	* B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)

Project Title:	Water Main Columbia & Pennsylvania	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Water Distribution
Project Manager:	Larry Johnson	Project Location:	Columbia & Penn. Dr
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering					-	-	-	-
Land Acquisition								-
Permits								-
Construction			100,000	-	-	-	-	100,000
Inspection / Testing				-	-	-	-	-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				-	-	-	-	-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Project Description:

This project will include the construction of a new 8 inch PVC watermain along Columbia Drive from Pennsylvania Drive to Federal Highway, and a new 8 inch PVC watermain along Cornell Drive from Pennsylvania Drive to Federal Highway. The total length of new watermain will be approximately 920 ft. The watermain will be constructed in the swale in front of the properties, and the sidewalk will be replaced. The 2 inch watermain in the alley will be abandoned, and the water services will be relocated to the front of the properties.

Project Need / Justification / Benefits:

The project will also remove dead end to the system, and improve water circulation, fire pressure, and help maintain chlorine residuals in this area. It will also remove a badly deteriorated 2 inch Galvanized Steel watermain from the easement between the properties, and improve access to the water services and meters.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7034-533-63-60	-
	-		-
	-		-

Revenue / Funding Schedule

#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	-	100,000	-	-	-	-	100,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	100,000	-	-	-	-	\$ 100,000

#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -

#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -

Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	100,000	-	-	-	-	100,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

This section must be completed for all projects. Please
list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:		Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-
A.3- Revenue #3	-	B.3- Contract Services:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)	\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

WATER & SEWER UTILITIES

- **Water Treatment**





Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

Project Title:	HS Pumps # 3, 4, 5 Replacement	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction		350,000		300,000				650,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 350,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 650,000

Project Description:
 This project is to replace the Lake Worth Water Treatment Plant High Service Pumps numbers 3, 4 and 5. These pumps transmit the product water from the Water Plant through the distribution system and to the customers. The new pumps will also be installed with Variable Frequency Drives, and the installation will include all associated electrical and instrumentation improvements. Pumps # 3 & 4 will be replaced in FY 2015, and pump #5 will be replaced in FY 2017.

Project Need / Justification / Benefits:
 The existing high service pumps were installed in 1958 and are nearing the end of their useful life. The internal pump casings have severely eroded. The new pumps on VFD's would greatly increase the efficiency of the system.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		350,000	-	300,000	-	-	-	650,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	350,000	-	300,000	-	-	-	\$ 650,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	350,000	-	300,000	-	-	-	650,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 350,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 650,000

This section must be completed for all projects. Please

list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	
		\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Slaker #4	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		50,000						50,000
Land Acquisition								-
Permits								-
Construction		150,000	100,000					250,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Project Description:
 There are currently four Lime Bins that receive and store lime at the Water Treatment plant, three of which are connected to three lime slakers. The fourth bin is used for lime storage only. This project would add a fourth lime slaker to the fourth lime bin.

Project Need / Justification / Benefits:
 This project will ease operation of the lime plant by adding redundancy to the production of lime slurry. The fourth lime bin has been difficult to maintain, as its design makes it very cumbersome to remove the stored lime. This project will enable the lime bin to function per design, since the lime will drop directly into the new slaker without the need of transferring it into one of the other three bins first.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7022-533-63-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		200,000	100,000	-	-			300,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	200,000	100,000	-	-	-	-	\$ 300,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	200,000	100,000	-	-	-	-	300,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)			
Project Title:	Water Plant Basin Structural Repairs	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			750,000					750,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

Project Description:
 In 2015, two inspections are will be completed for the Water Treatment Plant. The first is a Health and Safety inspection, and the second is a Structural Integrity Inspection. This project will be for all of the structural and safety repairs and upgrades for the Lime Softening Plant Lime Basins and the walkway to the RO plant as recommended in the inspection reports.

Project Need / Justification / Benefits:
 The health and safety of the employees and the Lake Worth residents is the top priority of the Water Production division. The aging Lime Softening plant is in need of structural repairs and precautionary safety upgrades in order to proactively prevent accidents and preserve the Water Plant structural integrity and functionality. This project is vital to the continued operation of the plant. In addition, the outdoor walkway to the Reverse Osmosis building will be assessed for an enclosure that will enable safe access to the building during a major storm event.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	402-7022-533-63-00
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402			750,000	-	-	-	-	750,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	750,000	-	-	-	-	\$ 750,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	750,000	-	-	-	-	750,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Flash Mixer Structural Modifications	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			350,000					350,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Project Description:
 This project will provide important structural upgrades to the deteriorating flash mixer in the Lime softening plant. A 16 inch bypass line will be installed as part of the project, since the existing mixer will need to be bypassed to continue operations during the repair. The Flash Mix Chamber repairs will include major concrete repair, grate replacement, and lining and sealing the chamber walls. The Flash Mixer chamber lining shall meet all of the requirements of NSF, ANSI 61 and DEP, and shall restore the structural integrity, while extending the longevity of the chamber.

Project Need / Justification / Benefits:
 After screening out debris and testing the raw water, water treatment really begins at the flash mix chamber. Here, lime, chlorine and coagulation aid are added to the water. In the flash mixer, the water is agitated violently for a short period of time before being released into the two settling basins. The Flash Mixer is in need of critical repairs to extend its useful life, and continue operating. This process is vital to the operations of the Lime Softening plant, as there is not currently a redundant unit, or even a bypass around the current unit.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7022-533-63-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402			350,000					350,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	350,000	-	-	-	-	\$ 350,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	350,000	-	-	-	-	350,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	
A.2- Revenue #2	B.2- Debt Service Costs:	
A.3- Revenue #3	B.3- Contract Services:	
A.4- Revenue #4	B.4- Fixed Costs:	
Revenue Totals (A.1 -to- A.4)	B.5- Utilities:	
	B.6- Materials/Supplies:	
	B.7- Equipment:	
	B.8- Miscellaneous:	
	Expense Totals (B.1 -to- B.8)	\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Ground Storage Tank & N, S Booster Repairs	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			200,000					200,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Project Description:
Structural repair of the local ground storage tank. These repairs would consist of lining the existing 1.5 million gallon ground storage tank located at the Water Treatment Plant. It also includes structural and safety improvements to the North and South Booster tanks based on a structural inspection conducted in 2015.

Project Need / Justification / Benefits:
The local ground storage tank is a vital component of the operation of the Water Treatment Plant, and enables the system to meet peak demands. The above ground storage tank lining shall meet all of the requirements of NSF, ANSI 61 and DEP, and shall restore the structural integrity, while extending the longevity of the tank.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	402-7022-533-63-00	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-		200,000	-	-	-	-	200,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	200,000	-	-	-	-	\$ 200,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	200,000	-	-	-	-	200,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)			
Project Title:	Ground Storage Tank Transfer Pump	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (I.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction				60,000				60,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000

Project Description:
 This project consists of the purchase and installation of a new 100 hp transfer pump for filling the ground storage tank located at the Water Treatment Plant. This will replace the existing undersized 50 hp pump that was installed in 1974.

Project Need / Justification / Benefits:
 The 4 LOG disinfection project was completed in 2015 in order to bring the Water Treatment Plant into compliance with new Health Department regulations. As a part of this project, the 1.8 Million Gallon Ground Storage Tank will now be used as a contact basin, and will no longer be used for storage capacity. In order to operate the Ground Storage Tank as a contact basin efficiently, it needs to be filled with water at a higher flow rate. The current transfer pump is undersized at only 50 hp and needs to be replaced with a larger pump in order to achieve the desired flow rate.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-		-	60,000	-	-	-	60,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	60,000	-	-	-	\$ 60,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	60,000	-	-	-	60,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	
		\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Clearwell Structural Improvements	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering			70,000					70,000
Land Acquisition								-
Permits								-
Construction				500,000				500,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 70,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 570,000

Project Description:
 This project will provide crucial structural repairs to the aging East Clearwell, which has a storage capacity of 1.8 million gallons of finished water, and is used in day to day operations of the water plant. The repairs will be based on the recommendations and findings of the structural engineering consultant's letter report.

Project Need / Justification / Benefits:
 The Lake Worth Water Treatment Plant has two clearwells for the storage of treated water, the East clearwell and the North clearwell. While inspecting the clearwells during the 4LOG Disinfection improvement project in 2014, structural deterioration was noted in the East clearwell. A further inspection was conducted by Bridge Design, and their findings were summarized in a letter report.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7022-533-63-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		-	70,000	500,000	-			570,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	70,000	500,000	-	-	-	\$ 570,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	70,000	500,000	-	-	-	570,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 70,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 570,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	
A.2- Revenue #2	B.2- Debt Service Costs:	
A.3- Revenue #3	B.3- Contract Services:	
A.4- Revenue #4	B.4- Fixed Costs:	
B.5- Utilities:	B.6- Materials/Supplies:	
B.7- Equipment:	B.8- Miscellaneous:	
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)			
Project Title:	Washwater Recovery Basin	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		10,000		60,000				70,000
Land Acquisition								-
Permits								-
Construction					600,000			600,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 10,000	\$ -	\$ 60,000	\$ 600,000	\$ -	\$ -	\$ 670,000

Project Description:
 This project will include the construction of a new 300,000 gallon Washwater Recovery Basin at the Water Treatment Plant, and along with transfer piping to the new basin, and from the new basin to the Flash Mixer. A new washwater pump station would also need to be constructed as part of this project.

Project Need / Justification / Benefits:
 The lime softening portion of the water plant includes six filter basins where the treated water is filtered prior to chlorination and distribution. These filters need to be backwashed two times per week, with finished water from the North Clearwell. After the filters have been backwashed, the water is discharged to the Lime Sludge Settling Basin, and is then pumped down the Deep Injection Well. The plant uses approximately 400,000 gallons of backwash water each week, or about 20 million gallons per year. This is similar to the yearly raw water supply from one production well. This project would conserve the 20 million gallons per year by rerouting it to a newly constructed washwater recovery basin, and then sending the water to the beginning of the Lime Softening process at the Flash Mixer. It will also save on the operating costs of pumping the backwash water down the deep well.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-	10,000	-	60,000	600,000	-	-	670,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	10,000	-	60,000	600,000	-	-	\$ 670,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	10,000	-	60,000	600,000	-	-	670,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 10,000	\$ -	\$ 60,000	\$ 600,000	\$ -	\$ -	\$ 670,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Membrane Replacement at RO Plant	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	301 College Street
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction						250,000	250,000	500,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 500,000

Project Description:
 This project consists of the purchase and installation of replacement membrane pressure vessels for all three trains currently in use at the Reverse Osmosis Water Treatment Plant.

Project Need / Justification / Benefits:
 The Reverse Osmosis portion of the Water Treatment Plant was put into service in 2011. This treatment process includes three membrane trains that each contain 36 pressure vessels. After five years, the efficiency of the vessels decreases, which causes the operating costs, such as electricity, to rise. The expected useful life of a pressure vessel is 5 to 10 years. Since they are now approaching the five year mark, it is prudent to budget for the upcoming replacement of the membranes. The four year investment of \$250,000 per year will grant water plant staff the flexibility to replace the first stage of membranes as early as 2017 if required. By 2021, all of the pressure vessels will be replaced, since they will have reached the end of their useful life.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	-		-	-	-	250,000	250,000	500,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	-	-	250,000	250,000	\$ 500,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	-	-	250,000	250,000	500,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 500,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:	Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)	
		\$



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Well #F4 New Construction	Category Criteria	New /Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	L. Worth Rd & Louis Dr.
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering							80,000	80,000
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000

Project Description:

The design, drilling, permitting and construction of a new Floridan Aquifer production well, to include and testing and well head equipment, and a new raw watermain to be designated Well-F-4. The new production well will be located at the Southeast Corner of Lake Worth Rd and Louis Dr.

This well is currently included in the City's Consumptive Use Permit from South Florida Water Management District (SFWMD).

The well construction will be a 16-inch well installed to an overall well depth to approximately 1,500-feet inside a 20-inch diameter casing installed to approximately 1,220-feet. This project also includes the design, permitting and construction of the raw watermain to serve the Well F-4, along with the wellhead equipment. Per Water & Sewer Dept - Project pushed backed from FY 2015 to FY 2020 for Design Costs, and full construction costs will be provided in FY 2021.

Project Need//Justification//Benefits:

The existing Floridan Aquifer Wellfield contains three wells that each produce the water for one train in the Reverse Osmosis Water Treatment Plant. Currently, the plant runs on two trains per day. However, the bulk water purchase agreement with Palm Beach County is scheduled to terminate in June, 2013, at which time the production demand will increase and the RO plant will need to operate three trains daily. Well F-4 will be needed as an alternate production well in order to facilitate operations and maintenance. In addition, the capacity of the existing wells will reduce with age. Lake Worth's wells experience on average a 3-percent decrease in production each year.

A variety of events cause well capacity to reduce with age, including calcium deposits forming on the gravel pack and screen, and changes in elevation of the localized aquifer.

If replacement wells are not constructed there may become a lack of sufficient raw water withdrawal capability to support required demand. In addition, the lack of a sufficient number of wells prohibits well rotation and resting which will shorten the life of the remaining wells.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		-	-	-	-	-	80,000	80,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	-	-	-	80,000	\$ 80,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	-	-	-	80,000	80,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Well #9 Generator	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction					100,000			100,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

Project Description:
This project consists of the purchase and installation of a new generator to serve Surficial Production Well #9 with an onsite permanent emergency power supply.

Project Need / Justification / Benefits:
During a major storm event there is a probability of a power outage that could affect the production of potable water. It is important to have backup generator power to serve both the Water Treatment Plant and the Surface Water Production Wells that supply raw water to the plant. Currently, Production Wells 7, 12 and 15 have backup generators. This would provide a raw water supply of approximately 2.5 million gallons per day during a power outage. Installing a new generator at the Well 9 site would provide an additional raw water supply of 1 million gallons per day while on emergency power. This well was recently rehabilitated and is in excellent working condition.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402					100,000			100,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:					100,000			\$ 100,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:								\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:								\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:								\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding					100,000			100,000
Grant Funding								-
Other Outside Funding								-
Revenue Enhancements								-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

This section must be completed for all projects.
 Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:		Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-
A.3- Revenue #3	-	B.3- Contract Services:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-
Revenue Totals (A.1 -to- A.4)		Expense Totals (B.1 -to- B.8)	\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Well #17 New Construction	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	1900 2nd Ave N
Project Identification Number:	XX-XX-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		-						-
Land Acquisition								-
Permits								-
Construction			60,000	565,000				625,000
Inspection / Testing				70,000				70,000
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				27,000				27,000
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 60,000	\$ 662,000	\$ -	\$ -	\$ -	\$ 722,000

Project Description:
 The drilling and construction of a new Surficial Aquifer production well, to include and testing and well head equipment, to be designated Well-17. The new production well to be located west of I-95 at the 1900 2nd Ave N Utilities Complex.
 This well is currently included in the City's Consumptive Use Permit from South Florida Water Management District (SFWMD)
 The well construction will be a 16-inch well installed to an overall well depth to approximately 280-feet inside a 20-inch diameter casing installed to approximately 200-feet.

Project Need / Justification / Benefits:
 The existing Surficial Wellfield contains several wells that have reduced capacity due to age and/or are east of I-95 which have been curtailed in usage by the SFWMD.
 A variety of events cause well capacity to reduce with age, including calcium deposits forming on the gravel pack and screen, and changes in elevation of the localized aquifer.
 Lake Worth's wells experience on average a 3-percent decrease in production each year.
 While individual well production can be partially restored, over time the well production will decline, and some of the existing wells are over 50-years old and beyond their anticipated lifespan.
 If replacement wells are not constructed there may become a lack of sufficient raw water withdrawal capability to support required demand. In addition, the lack of a sufficient number of wells prohibits well rotation and resting which will shorten the life of the remaining wells.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
-	402-7021-633-63-00	-
-		-
-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001		-						-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		-	60,000	662,000				722,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:		-	60,000	662,000	-	-	-	\$ 722,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:		-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding		-	60,000	662,000	-	-	-	722,000
Grant Funding		-	-	-	-	-	-	-
Other Outside Funding		-	-	-	-	-	-	-
Revenue Enhancements		-	-	-	-	-	-	-
Total Revenue Funding:		\$ -	\$ 60,000	\$ 662,000	\$ -	\$ -	\$ -	\$ 722,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-	
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-	
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-	
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-	
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)				\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Well #18a & 18b Testing Only	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	1900 2nd Ave N
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction		50,000	60,000					110,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 50,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 110,000

Project Description:
The drilling and construction of two new Surficial Aquifer test wells, to be designated Well-18a and 18b. The first test well to be located west of I-95 at the 1900 2nd Ave N Utilities Complex, and the second to be located at the Well F3 site on Lake Osborne Drive and Lake Worth Road. The wells will be drilled to an overall depth of 300ft.

Project Need / Justification / Benefits:
During development of the pilot well for Surficial Production Well #16, it was noted that the iron concentrations were higher than desired from the 200 to 225 ft depth interval. These two proposed test wells will assist staff in determining the best location for the next proposed Surficial Production Wells, #17 and #18.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	402-7021-633-63-00	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402		50,000	60,000	-	-			110,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	50,000	60,000	-	-	-	-	\$ 110,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	50,000	60,000	-	-	-	-	110,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 50,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 110,000

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:		Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities: -
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies: -
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment: -
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous: -
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)	-	\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Well #18 New Construction	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	1900 2nd Ave N
Project Identification Number:	UT-WT-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering						60,000		60,000
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000

Project Description:
 The drilling and construction of a new Surficial Aquifer production well, to include and testing and well head equipment, to be designated Well-18. The new production well to be located west of I-95 at the 1900 2nd Ave N Utilities Complex.
 This well is currently included in the City's Consumptive Use Permit from South Florida Water Management District (SFWMD)
 The well construction will be a 16-inch well installed to an overall well depth to approximately 280-feet inside a 20-inch diameter casing installed to approximately 200-feet. Construction in FY 2021.

Project Need / Justification / Benefits:
 The existing Surficial Wellfield contains several wells that have reduced capacity due to age and/or are east of I-95 which have been curtailed in usage by the SFWMD.
 A variety of events cause well capacity to reduce with age, including calcium deposits forming on the gravel pack and screen, and changes in elevation of the localized aquifer.
 Lake Worth's wells experience on average a 3-percent decrease in production each year.
 While individual well production can be partially restored, over time the well production will decline, and some of the existing wells are over 50-years old and beyond their anticipated lifespan.
 If replacement wells are not constructed there may become a lack of sufficient raw water withdrawal capability to support required demand. In addition, the lack of a sufficient number of wells prohibits well rotation and resting which will shorten the life of the remaining wells.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402			-	-	-	60,000		60,000
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	-	-	60,000	-	\$ 60,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	-	-	60,000	-	60,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)			
Project Title:	Well #16, 17, 18 Raw WM Construction	Category Criteria	New / Improvements
Responsible Department:	Utility Water & Sewer	Division:	Water Treatment
Project Manager:	Larry Johnson	Project Location:	1900 2nd Ave N to WTP
Project Identification Number:	UT-WT-1303	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)	10,000							10,000
Design / Plans / Engineering	69,500							69,500
Land Acquisition								-
Permits								-
Construction	1,085,205			102,000				1,187,205
Inspection / Testing	80,000			12,000				92,000
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous	48,000			6,000				54,000
Other / Indirect								-
Total Expenditures	\$ 1,292,705	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 1,412,705

Project Description:
 The construction of a new 16-inch Raw Watermain to serve the proposed new potable wells: #16, #17, #18. The portion of the Raw Watermain starting at the existing 20-inch Raw Watermain located along Lake Osborne Drive and following Lake Osborne Drive to the north and west, then north to 2nd Ave N and west to the Utilities Complex at 1900 2nd Ave N was constructed in 2014. The next phases of the project will extend the raw watermain to the proposed Wells 17 and 18. The new wells are currently included in the City's Consumptive Use Permit from South Florida Water Management District (SFWMD).

Project Need / Justification / Benefits:
 The existing Surficial Wellfield contains several wells that have reduced capacity due to age and/or are east of I-95 which have been curtailed in usage by the SFWMD.
 A variety of events cause well capacity to reduce with age, including calcium deposits forming on the gravel pack and screen, and changes in elevation of the localized aquifer.
 Lake Worth's wells experience on average a 3-percent decrease in production each year.
 While individual well production can be partially restored, over time the well production will decline, and some of the existing wells are over 50 years old and beyond their anticipated lifespan.
 If replacement wells are not constructed there may become a lack of sufficient raw water withdrawal capability to support required demand. In addition, the lack of a sufficient number of wells prohibits well rotation and resting which will shorten the life of the remaining wells.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-		-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402	1,292,705	-	-	120,000	-	-	-	1,412,705
Local Sewer Fund - 403								-
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	1,292,705	-	-	120,000	-	-	-	\$ 1,412,705
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	1,292,705	-	-	120,000	-	-	-	1,412,705
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ 1,292,705	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 1,412,705

This section must be completed for all projects.

Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

WATER & SEWER UTILITIES

- **Local Sewer – Collection & Pumping**





Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)

Project Title:	Water Main Replace Masterplan Projects	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Various
Project Identification Number:	UT-WTXXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		-	-	-	1,131,223	177,280	71,100	1,379,603
Land Acquisition								-
Permits								-
Construction		600,000	1,227,031	134,671				1,961,702
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 600,000	\$ 1,227,031	\$ 134,671	\$ 1,131,223	\$ 177,280	\$ 71,100	\$ 3,341,305

Project Description:								
6th Ave S: Federal to Dixie		\$600,000						600,000
Tropical Dr & Barton Rd			\$727,031					727,031
Park of Commerce Ph 1 Sewer - FM Boutwell & 4th			\$500,000					500,000
Vassar & Byrn Mawr				\$43,921	\$292,805			336,726
Duke, Lakeside Dr, Wellesley Dr				\$90,750	\$605,000			695,750
15, 16, 17, 18 Ave N, Terr Dr					\$219,501			219,501
Alley from S B St to S C St btwn 11th & 12th Ave S					\$13,917	\$92,778		106,694
Wright, Small, Barber Dr						\$21,300		21,300
S East Coast & S H St						\$63,203		63,203
Hillcrest Drive							\$18,750	18,750
15th Ave S & S G St							\$52,350	52,350
		600,000	1,227,031	134,671	1,131,223	177,280	71,100	3,341,305

Project Need / Justification / Benefits:
 These projects, which place values on a vital part of the City's infrastructure, have been coordinated with the City's Public Services Department and their Roadway reconstruction/maintenance schedule. The Departments were able to establish a construction sequence by meshing the recently completed Utilities fire protection plan and proposed sewer rehabilitation project schedule with the recently completed Public Services Stormwater Masterplan and Roadway & Sidewalk Masterplan. Watermain installations identified in the plan were prioritized based on the number of properties affected based on the following criteria: properties without sufficient fire hydrant coverage (properties at a distance greater than 300 ft from a fire hydrant); properties without sufficient fire protection, where minimum fireflow pressure did not meet the Palm Beach County Fire Rescue requirements. Deteriorated vitrified clay or concrete sewer mains will be replaced or rehabilitated, reducing inflow and infiltration and preventing adverse environmental impacts, as well as reducing maintenance costs for the area.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	403-7231-535-63-15 = \$727,031	-
	-	403-9010-581-91-80 = \$500,000 (POC)	-
	-		-

Revenue / Funding Schedule

#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total	
General Fund - 001								-	
Capital Improvement Fund - 301								-	
Electric Fund - 401								-	
Water Fund - 402	-								
Local Sewer Fund - 403		300,000	1,227,031	134,671	1,131,223	177,280	71,100	3,041,305	
Golf Course Fund - 404								-	
Regional Sewer Fund - 405		300,000	For Sewer Gravity Rehab - 6th Ave S - was FY185.19 (405 Fund)					-	300,000
Stormwater Fund - 408								-	
Refuse Fund - 410								-	
Information Tech. Fund - 510								-	
Garage Fund - 530								-	
Total City Funding:	-	600,000	1,227,031	134,671	1,131,223	177,280	71,100	\$ 3,341,305	

#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -

#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -

#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -

Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	600,000	1,227,031	134,671	1,131,223	177,280	71,100	3,341,305
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 600,000	\$ 1,227,031	\$ 134,671	\$ 1,131,223	\$ 177,280	\$ 71,100	\$ 3,341,305

This section must be completed for all projects. Please list
 future revenues and expenses of each project per year once fully operational.

Net Operational Impact:			
A. Revenues Generated:	B. Expenses Incurred:		Net Impact
A.1- Revenue #1	B.1- Personnel:	B.5- Utilities:	-
A.2- Revenue #2	B.2- Debt Service Costs:	B.6- Materials/Supplies:	-
A.3- Revenue #3	B.3- Contract Services:	B.7- Equipment:	-
A.4- Revenue #4	B.4- Fixed Costs:	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	Expense Totals (B.1 -to- B.8)		\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

(Page 1 of 2)

Project Title:	Global Manhole Rehab Lining	Category Criteria	Improvements
Responsible Department:	Utility Water & Sewer	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Various
Project Identification Number:	UT-LS-1002	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (I.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction	87,000	100,000	100,000	100,000	100,000	100,000	100,000	687,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	187,000	100,000	\$ 100,000	\$687,000				

Project Description:
 The annual rehabilitation of the interior of the sanitary sewer manholes is through the application of 100% Calcium Aluminate to prolong the lifespan of the manhole.

Project Need / Justification / Benefits:
 Manholes are designed as an access point for wastewater mains and can also be a source of infiltration and inflow (I & I). Surface water can enter through manhole covers that are subject to ponding/flooding or in sag conditions. Rehabilitation of sanitary sewer manholes to like-new condition will reduce infiltration, restore structural integrity, and decrease treatment expense by decreasing flow sent to the treatment plant.
 The extra volume of water that should be flowing into the storm sewer system rather than the sanitary sewer system can overload the sewage collection system pipes causing backups or spills of raw sewage.
 By implementing a proper I & I program the City can both decrease operating expenses associated with sanitary sewer pumping and

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	403-7231-535-63-15	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	87,000	100,000	100,000	100,000	100,000	100,000	100,000	687,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
54A		187,000	100,000	100,000	100,000	100,000	100,000	\$687,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$0
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:		-	-	-	-	-	-	\$0
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$0
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	87,000	100,000	100,000	100,000	100,000	100,000	100,000	687,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$187,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$687,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Lift Station 4 Trunkline	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Golf Course
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering				25,000				25,000
Land Acquisition								-
Permits								-
Construction					175,000			175,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ 25,000	\$ 175,000	\$ -	\$ -	\$ 200,000

Project Description:
 This project is for the rehabilitation of the 36 inch RCP gravity sewer trunkline located in the Golf Course that discharges to Lift Station #4. A cured-in-place liner will be installed, which is essentially a new pipe, restoring normal wastewater flow and correcting infiltration problems in this section of pipeline. The total length of the rehabilitation shall be approximately 1,300 ft.

Project Need / Justification / Benefits:
 Lift Station #4 is the lift station with the second highest flow rate in the City, after the Master Pump Station. There is a 36 inch reinforced concrete gravity sewer line that spans the north end of the golf course to the lift station. Currently, the pipeline receives flow from the 10th Ave N trunkline, and has a tremendous amount of inflow and infiltration due to the high groundwater table. Lining this trunkline will significantly reduce the flows to Lift Station #4. This will result decreased operating costs associated with pumping and treatment of this water. It will also restore the structural integrity of the pipeline. The project is scheduled for construction after the replacement of Lift Station #4.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	-	-	25,000	175,000	-	-	200,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	25,000	175,000	-	-	\$ 200,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other/Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	25,000	175,000	-	-	200,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 25,000	\$ 175,000	\$ -	\$ -	\$ 200,000

This section must be completed for all projects.
Please list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-	
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-	
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-	
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-	
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)				\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	11th Ave N Trunkline Rehab	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	11th Ave N
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (I.e. Survey)								-
Design / Plans / Engineering		50,000						-
Land Acqulsition								-
Permits								-
Construction			800,000					800,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 50,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000

Project Description:
 This work will involve replacing a badly deteriorated 10-inch to 12-inch vitrified clay trunk sewer line along 11th Avenue North that has created innumerable sewer backups in the area. The portion of the line from A street to the FEC right of way will be a complete tear up project to be coordinated with a Public Services Greenways project scheduled for the same fiscal year. The portion of the line from the FEC railroad to Golfview Road will be rehabilitated using a cured in place liner, which is essentially a new pipe, restoring normal wastewater flow and correcting infiltration problems in this section of pipeline. The total length of the replacement & rehabilitation shall be approximately 5,100 ft.

Project Need / Justification / Benefits:
 The 11th Ave N sanitary sewer between N A St and Golfview Road is in a substantially deteriorated condition. This has resulted in subsidence of the street surface in several locations, and several backups in the area. The proposed pipe repair is to slip line this section of sewer and repair the pavement as needed. Excess infiltration and inflow (I & I) takes up sewer capacity needed for existing customers and future growth, and increases the operating costs for the utility department. This extra volume of water can also possibly overload the sewage collection system pipes causing backups or spills of raw sewage. This project will result decreased operating costs associated with pumping and treatment of this water. It will also restore the structural integrity of the pipeline.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:			
	-	403-7231-535-63-15	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	50,000	800,000	-	-	-	-	800,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	50,000	800,000	-	-	-	-	\$ 800,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	50,000	800,000	-	-	-	-	800,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 50,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000

This section must be completed for all projects. Please list future revenues and expenses of each project per year once fully operational.					
Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	New Sewer 11th to 12th Ave S B to C	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Alley B to C: 11 to 12 S
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		25,000						-
Land Acquisition								-
Permits								-
Construction			150,000					150,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 25,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Project Description:

This project will consist of the construction of a new gravity sewer collector main to serve a block of properties within the city limits that are currently using septic systems. This will include the installation of a 420ft SDR 26 sewer main, one terminal manhole, and twelve PVC service lines with cleanouts. The work will be located in the unpaved alley between the properties. The alley will be regraded and sodded as a part of the project.

Project Need / Justification / Benefits:

Septic systems are the largest source of wastewater to the ground. They are most likely to cause groundwater contamination where they are closely spaced in suburban subdivisions. The project will bring sewer service to twelve residential properties that are currently using septic systems. The project will compel the residents to connect to the new sewer line, and properly abandon the septic tanks. This will eliminate the environmental impacts of the septic systems, improving groundwater quality.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	403-7231-535-63-15	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	25,000	150,000	-	-	-	-	150,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	25,000	150,000	-	-	-	-	\$ 150,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	25,000	150,000	-	-	-	-	150,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 25,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

This section must be completed for all projects. Please list future revenues and expenses of each project per year once fully operational.					
Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

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Project Title:	Sewer Repair 5th to 6th S from E to F	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Alley E to F: 5 to 6 S
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		30,000						30,000
Land Acquisition								-
Permits								-
Construction			200,000					200,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 30,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 230,000

Project Description:

This project will replace the unreinforced concrete sewer line in the alley between E and F Street from 5th to 6th Avenue South. The line is in such critical condition that it must be replaced with an open trench, since it would not withstand the preliminary jetting necessary to rehabilitate it by cured in place liner. This project will replace the existing concrete line with approximately 300LF of SDR 26 8 inch gravity sewer. The 2 inch galvanized steel watermain in the same alley will be replaced as a part of this project with a 4 inch PVC pipe. A Health Department permit will be needed prior to construction.

Project Need / Justification / Benefits:

In 2014, this concrete line, in addition to another concrete line in the alley between N A St and N B St from 10th to 11th Avenue N were identified as the most critical concrete lines in the city. In invitation for bid UT-SW-13-14-114 for replacement of these two lines via the pipe bursting method was cancelled due to the lack of responses. Later on that year, the line between N A St and N B St from 10th to 11th Avenue N collapsed in several locations, and an emergency repair contract was put in place to replace the sewer line. It is imperative that this project move forward prior to this line collapsing as well.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	403-7231-535-63-15	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	30,000	200,000	-	-	-	-	230,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	30,000	200,000	-	-	-	-	\$ 230,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	30,000	200,000	-	-	-	-	230,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 30,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 230,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

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Project Title:	Sewer Rehab 3rd Ave North	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	3rd Ave N
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)			10,000					10,000
Design / Plans / Engineering			40,000					40,000
Land Acquisition								-
Permits								-
Construction				595,000				595,000
Inspection / Testing				70,000				70,000
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous				35,000				35,000
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 50,000	\$ 700,000	\$ -	\$ -	\$ -	\$ 750,000

Project Description:
 This work will involve slip lining a badly deteriorated 10-inch to 15-inch vitrified clay trunk sewer line along 3rd Avenue North that has been plagued with leaky joints and pavement settlement.
 Due to the size of the pipe and the location in the middle of the street, the primary rehabilitation method under consideration is a cured-in-place liner, which is essentially a new pipe, restoring normal wastewater flow and correcting infiltration problems in this section of pipeline. The total length of the rehabilitation shall be approximately 5,220 ft.
 This will result decreased operating costs associated with pumping and treatment of this water. It will also restore the structural integrity of the pipeline.

Project Need / Justification / Benefits:
 The 3rd Avenue North sanitary sewer between N A St and Lakeside Drive is in a substantially deteriorated condition. This has resulted in subsidence of the street surface in several locations.
 The proposed pipe repair is to slip line this section of sewer and repair the pavement as needed.
 Excess infiltration and inflow (I & I) takes up sewer capacity needed for existing customers and future growth.
 This extra volume of water can also possibly overload the sewage collection system pipes causing backups or spills of raw sewage.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	403-7231-535-63-15
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403			50,000	700,000	-			750,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	50,000	700,000	-	-	-	\$ 750,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	50,000	700,000	-	-	-	750,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 50,000	\$ 700,000	\$ -	\$ -	\$ -	\$ 750,000

This section must be completed for all projects.					
Net Operational Impact:					
A. Revenues Generated:	B. Expenses Incurred:			Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

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Project Title:	Collector Main Rehabilitation	Category Criteria	Improvement/Replacement
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	Various
Project Identification Number:	UT-LSXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction				200,000	200,000	200,000	200,000	800,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 800,000

Project Description:

This project to be a part of a multi-year continuing contract with other collector line repair/lining projects.

The lining or replacement of identified collector mains in need of replacement located in the alleys in various locations throughout the city.

Project Need / Justification / Benefits:

All sanitary sewer systems are designed to accommodate a maximum amount of flow. However, when inflow (rainwater) and infiltration (groundwater) exceed these design allowances, sewer capacity is utilized by rain or groundwater contributions that should not be entering the sanitary sewer system.

When this occurs, there are three main effects: (1) the City is running pump stations more than they need to be operated, (2) the City is paying for treatment of wastewater that does not need to be treated, and (3) there is an increased possibility of wastewater overflowing manholes or causing backups causing a health and safety hazard.

Excess infiltration and inflow (I & I) takes up sewer capacity needed for existing customers and future growth.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	-
	-	-
	-	-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403			-	200,000	200,000	200,000	200,000	800,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	200,000	200,000	200,000	200,000	\$ 800,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	200,000	200,000	200,000	200,000	800,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 800,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -



Capital Improvement Program (CIP) Project Request Form *(For Projects / Items Costing Over \$25,000)*

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Project Title:	Replace Lift Station #4	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	1132 Golf Course Rd
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering		40,000						40,000
Land Acquisition								-
Permits								-
Construction			400,000					400,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ 40,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 440,000

Project Description:
 Lift Station #4 was constructed in 1967 and is one of the last remaining Dry Pit - Wet Well type station in Lake Worth. This project will include replacing the station by constructing a new wet well and valve vault for a new duplex submersible station. This will include new submersible pumps with rail removal system, piping, valves, electrical equipment, instrumentation, controls, site work, and a gravity sewer line.

Project Need / Justification / Benefits:
 The station has been on the City's list for reconstruction for several years. The confined space is hazardous for City maintenance staff. The station experiences heavy flow and is a critical component of the daily sewer pumping operations.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	403-7231-535-63-15
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	40,000	400,000	-	-	-	-	440,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	40,000	400,000	-	-	-	-	\$ 440,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	40,000	400,000	-	-	-	-	440,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ 40,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 440,000

This section must be completed for all projects.

Net Operational Impact:				
A. Revenues Generated:		B. Expenses Incurred:		Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities: -
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies: -
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment: -
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous: -
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		\$ -



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Lift Station 16 Piping Control Panel	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	2765 Lear Dr
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE

Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction			150,000					150,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Project Description:

Lift Station #16 was constructed in 1979. The pumps and wetwell are in working order. However, all of the lift station piping is severely corroded and must be replaced. This project will include replacing the piping and valves for the station, along with electrical panel improvements and associated site restoration.

Project Need / Justification / Benefits:

The piping for Lift Station #16 has deteriorated significantly, and must be replaced in order to keep the station operational.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	403-7231-535-63-15	-
	-		-
	-		-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	-	150,000	-	-	-	-	150,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	150,000	-	-	-	-	\$ 150,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	150,000	-	-	-	-	150,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

This section must be completed for all projects.

Net Operational Impact:

A. Revenues Generated:	B. Expenses Incurred:				Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -



**Capital Improvement Program (CIP)
Project Request Form**
(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Replace Lift Station #12	Category Criteria	Improvements
Responsible Department:	Utilities	Division:	Local Sewer
Project Manager:	Larry Johnson	Project Location:	2730 6th Ave S
Project Identification Number:	UT-LS-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	4 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering				40,000				40,000
Land Acquisition								-
Permits								-
Construction					400,000			400,000
Inspection / Testing								-
Furniture / Fixtures / Equipment								-
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	\$ -	\$ -	\$ -	\$ 40,000	\$ 400,000	\$ -	\$ -	\$ 440,000

Project Description:
Lift Station #12 was constructed in 1963 and is one of the last remaining Dry Pit - Wet Well type station in Lake Worth. This project will include replacing the station by constructing a new wet well and valve vault for a new duplex submersible station. This will include new submersible pumps with rail removal system, piping, valves, electrical equipment, instrumentation, controls, site work, and a gravity sewer line.

Project Need / Justification / Benefits:
The station has been on the City's list for reconstruction for several years. The confined space is hazardous for City maintenance staff. The station experiences heavy flow and is a critical component of the daily sewer pumping operations.

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:		
	-	-
	-	-
	-	-

REVENUE / FUNDING SCHEDULE								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
General Fund - 001								-
Capital Improvement Fund - 301								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403	-	-	-	40,000	400,000	-	-	440,000
Golf Course Fund - 404								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510								-
Garage Fund - 530								-
Total City Funding:	-	-	-	40,000	400,000	-	-	\$ 440,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:	-	-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:	-	-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
								-
Total Revenue Enhancements:	-	-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY2016 - FY2020 Estimated Total
City Funding	-	-	-	40,000	400,000	-	-	440,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	\$ -	\$ -	\$ -	\$ 40,000	\$ 400,000	\$ -	\$ -	\$ 440,000

This section must be completed for all projects.					
Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)		-	\$ -

**CITY OF LAKE WORTH
FY 2016 - 2020 CAPITAL IMPROVEMENT PLAN**

INFORMATION & TECHNOLOGY

- Network & Programming





Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Microsoft Enterprise Agreement	Category Criteria	Mandatory/Regulation
Responsible Department:	Information Technology	Division:	Information Technology
Project Manager:	Director	Project Location:	City Wide
Project Identification Number:	IT-IS-XXXX	Programmed:	Yes
Project Type / Duration:	<input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> 1-Year <input checked="" type="checkbox"/> Multi-Yr	Project Priority:	4 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (I.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment	50,000	50,000	50,000	50,000	50,000	50,000	50,000	350,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures	100,000	\$ 50,000	\$ 350,000					

Project Description:

Project Need / Justification / Benefits:

List of Equipment (to be Purchased) from Furniture / Fixtures / Equipment Above:

	-	510-1520-519-64-40	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510	50,000	50,000	50,000	50,000	50,000	50,000	50,000	350,000
Garage Fund - 530								-
Total City Funding:	100,000		50,000	50,000	50,000	50,000	50,000	\$ 350,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Bond Proceeds								-
Internal Financing								-
Total Other Outside Funding:		-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding	50,000	50,000	50,000	50,000	50,000	50,000	50,000	350,000
Grant Funding	-	-	-	-	-	-	-	-
Other Outside Funding	-	-	-	-	-	-	-	-
Revenue Enhancements	-	-	-	-	-	-	-	-
Total Revenue Funding:	100,000		\$ 50,000	\$ 350,000				

This section must be completed for all projects. Please
 list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:		Net Impact	
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)		Expense Totals (B.1 -to- B.8)		\$ -	



Capital Improvement Program (CIP) Project Request Form

(For Projects / Items Costing Over \$25,000)

(Page 1 of 2)

Project Title:	Network Infrastructure Replacement	Category Criteria	Improvements
Responsible Department:	Information Technology	Division:	Information Technology
Project Manager:	Director	Project Location:	City Wide
Project Identification Number:	IT1302	Programmed:	Yes
Project Type / Duration:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> Multi-Yr	Project Priority:	3 of 5

BUDGETED EXPENDITURE SCHEDULE								
Project Elements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Pre-Construction (i.e. Survey)								-
Design / Plans / Engineering								-
Land Acquisition								-
Permits								-
Construction								-
Inspection / Testing								-
Furniture / Fixtures / Equipment			25,000					25,000
Contingency / Miscellaneous								-
Other / Indirect								-
Total Expenditures			\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000

Project Description:
 The approval of this project will ensure network access redundancy to Water Treatment Plant.

Project Need / Justification / Benefits:
 This project will enable the Information Technology Department to have a secondary network access point for disaster recovery purposes.

List of Equipment (to be Purchased) from Furniture // Fixtures // Equipment Above:			
15 network switches (5 per year)	-	510-1520-519-64-40	-
	-		-
	-		-

Revenue / Funding Schedule								
#1) City Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
General Fund - 001								-
Electric Fund - 401								-
Water Fund - 402								-
Local Sewer Fund - 403								-
Regional Sewer Fund - 405								-
Stormwater Fund - 408								-
Refuse Fund - 410								-
Information Tech. Fund - 510			25,000		-			25,000
Garage Fund - 530								-
Total City Funding:			25,000	-	-	-	-	\$ 25,000
#2) Grant Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Federal Grants								-
State Grants								-
County Grants								-
Total Grant Funding:		-	-	-	-	-	-	\$ -
#3) Other Outside Funding:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
Bank Loan / Debt								-
Available Debt Proceeds								-
Financing Options								-
Total Other Outside Funding:		-	-	-	-	-	-	\$ -
#4) Revenue Enhancements:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
								-
Total Revenue Enhancements:		-	-	-	-	-	-	\$ -
Revenue Funding Summary:	PYs as of 9/30/2014	FY 2015 Budgeted	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total Project Estimate
City Funding			25,000		-	-	-	25,000
Grant Funding		-	-	-	-	-	-	-
Other Outside Funding		-	-	-	-	-	-	-
Revenue Enhancements		-	-	-	-	-	-	-
Total Revenue Funding:			\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000

This section must be completed for all projects.

Please

list future revenues and expenses of each project per year once fully operational.

Net Operational Impact:					
A. Revenues Generated:		B. Expenses Incurred:			Net Impact
A.1- Revenue #1	-	B.1- Personnel:	-	B.5- Utilities:	-
A.2- Revenue #2	-	B.2- Debt Service Costs:	-	B.6- Materials/Supplies:	-
A.3- Revenue #3	-	B.3- Contract Services:	-	B.7- Equipment:	-
A.4- Revenue #4	-	B.4- Fixed Costs:	-	B.8- Miscellaneous:	-
Revenue Totals (A.1 -to- A.4)	-	Expense Totals (B.1 -to- B.8)			\$ -