

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Pumping Station Rehabilitations

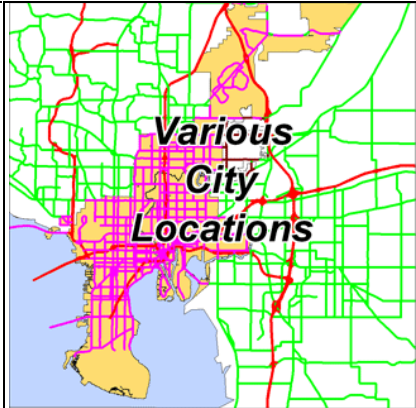
RESPONSIBLE DEPARTMENT:
Wastewater

LOCATION:
Various - See Below

FUNDING SOURCE:
Wastewater Revenue Bond Fund - 2006

PROJECT DESCRIPTION:

This project provides for the installation of new pumps, piping, valves, and control equipment. The pumps and equipment have reached the end of their useful life and cannot be maintained because parts are no longer available. The project also includes rehabilitation of the wet well by repairing and coating deteriorated concrete surfaces.



INDEX CODE: PROJECT ID: SS-08-018

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$850,000						\$850,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

Morrison Pumping Station: 3404 Morrison Avenue
San Carlos Pumping Station: 4406 San Carlos Street

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Public Art

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the contribution to public art per Ordinance #8860-A for eligible projects in the water fund. Artists from all ethnic, cultural and socio-economic backgrounds will be encouraged to participate and help expand arts throughout the community.



INDEX CODE: WT0143BAB PROJECT ID: WT-06-014

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

The Public Art Committee recommends to the mayor the amount of funds to be allocated for selection, commissioning, acquisition, and installation of individual works of art to be incorporated as part of the municipal construction project for which the funds were appropriated.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Ozone Compartment Isolations

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the isolation of the two ozone compartments. In the current design of the two ozone contactors, the effluent discharge compartment is common to both contactors. This has proven to be a safety and maintenance problem for the annual cleaning of the contactors. Transient ozone from the contactor left in service migrates into the other contactor drained for cleaning.



INDEX CODE: WT0343BCU

PROJECT ID: WT-08-010

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$1,250,000						\$1,250,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Minimum Flow Levels - Sulphur Springs - Upper Gates

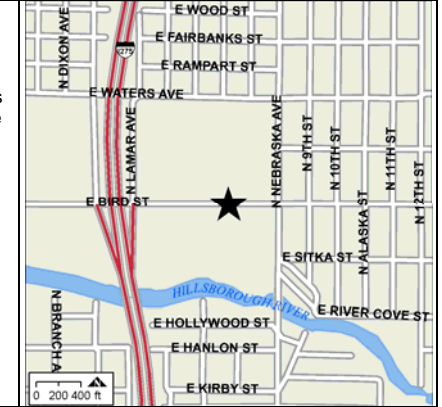
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
713 East Bird Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the modification of the Sulphur Springs Upper Weir and includes modification of the upper gates and the installation of variable speed pumps for final feedback loop control. After the modification, the upper weirs will have the ability to be lowered down and opened from the bottom. The modification will allow for the control of both salinity and flow for the run.



INDEX CODE: WT0343BCV

PROJECT ID: WT-09-013

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$454,750						\$454,750

Land Acquisition							
Design							
Bid							
Award							
Construction							

This project will be funded with a combination of increased water rates serving as the local match and grants from the Southwest Florida Water Management District.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Minimum Flow Levels - Blue Sink

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Country Club Drive and Florida Avenue

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the design and construction for improvements from the Blue Sink well to the Hillsborough River. Upon completion, the project should provide approximately 2-3 million gallons per day of reliable flow from the Blue Sink and will prevent saltwater intrusion from coming further up the river.



INDEX CODE: WT0343BCX

PROJECT ID: WT-09-014

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$360,500	\$3,496,500					\$3,857,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

Design Phase: This project will be funded with a combination of increased water rates serving as the local match and grants from the Southwest Florida Water Management District.

Construction Phase: This project will be funded with a combination of commercial paper proceeds serving as the local match and grants from the Southwest Florida Water Management District.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Treatment Improvements

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for various minor capital projects for the David L. Tippin Water Treatment Facility. The treatment plant is over 80 years old and provides approximately 85 million gallons of water per day. As a result, the plant has processes that are in need of upgrading or rehabilitation.



INDEX CODE: WT0443BAR

PROJECT ID: WT-08-028

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$475,000	\$475,000	\$475,000	\$475,000	\$475,000	\$475,000	\$2,850,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Poly-B Service Line Replacement

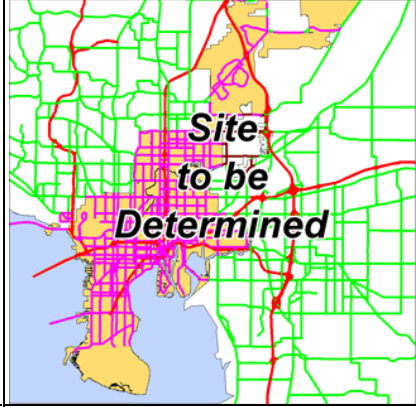
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for updating water facilities by replacing Poly-B service and galvanized service lines with modern high density polyethylene (HDPE) service lines. This project will increase water service reliability and water quality in neighborhoods served by this pipe. Lines constructed with Poly-B and galvanized service lines have caused frequent water service interruptions which lead to water quality concerns.



INDEX CODE: WT0443BAS

PROJECT ID: WT-08-001

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
FUNDING:	\$2,230,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,230,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09 locations have not yet been finalized.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Distribution Upgrade and Relocation with the Florida Department of Transportation

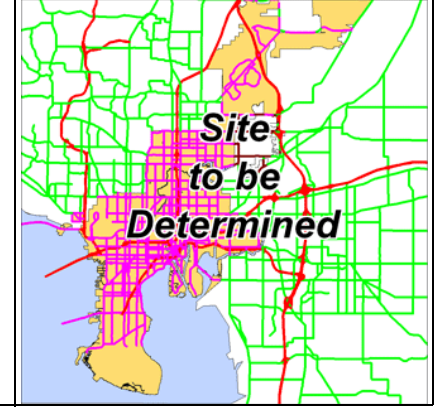
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the mandated upgrade and relocation of water mains in conjunction with Florida department of transportation (FDOT) projects. Utilities within the right-of-way controlled by FDOT are required to be relocated outside of the roadway pavement by the water department. The design and construction schedules are dictated by FDOT. These funds provide for surveys, designs and construction activities.



INDEX CODE: WT0443BAZ

PROJECT ID: WT-08-027

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
FUNDING:	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Pipeline Repairs and Replacement

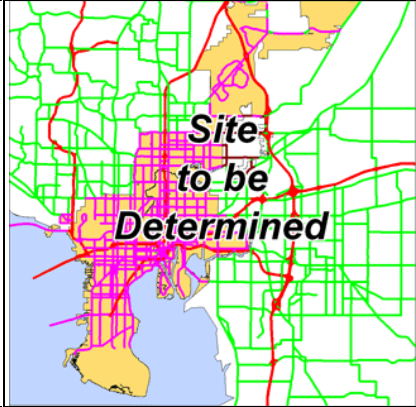
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for rehabilitation and / or repairs of water pipelines at various locations throughout the Tampa water department's service area. The replacement value of the water pipeline system is in excess of \$2 billion. Approximately 15% of the system is at or beyond its useful life. Identification and prioritization of these assets has resulted in a list totaling \$400 million.



INDEX CODE: WT0443BRR

PROJECT ID: WT-09-001

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
FUNDING:	\$4,020,000	\$7,375,000	\$6,725,000	\$14,975,000	\$15,174,206	\$14,181,110	\$62,450,316

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Security Improvement - Water Facilities

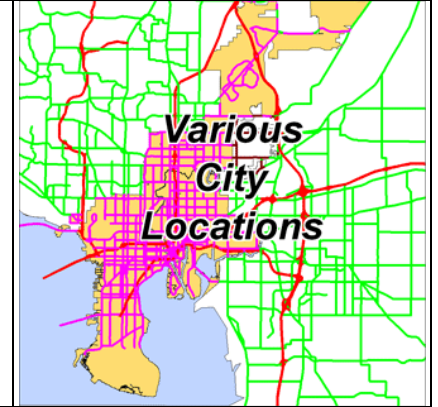
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Various - See Below

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for installing security improvements at various locations throughout the Tampa water department service area. Securing the water production and distribution system is vital to ensuring safe drinking water. Security improvements will decrease potential contaminate threats to the potable water system.



INDEX CODE: WT0443BSC

PROJECT ID: WT-08-009

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
FUNDING:	\$250,000						\$250,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

- Morris Bridge Treatment Plant
- David L. Tippin Water Treatment Plant
- West Tampa tank
- Rome Avenue service yard

FY09-14 CAPITAL IMPROVEMENT PROJECT

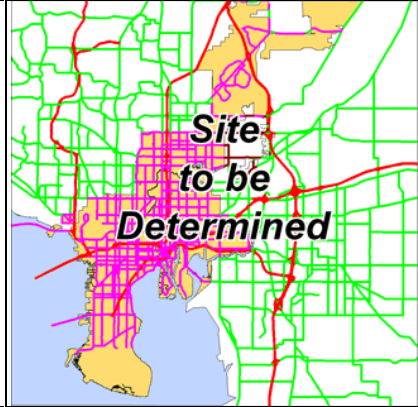
PROJECT TITLE:
New Fire Services

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:
This project provides for the installation of new fire services and backflow prevention devices throughout the water department's service area. These projects are generally installed in easements on customer property. New customers apply for fire protection service, applications are reviewed and a service commitment is made by the water department. Payment of the appropriate fees is provided by the customer, and a fire line project is then designed and constructed. This project is 100% customer driven.



INDEX CODE: WT0443CBL **PROJECT ID:** WT-06-011

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$500,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,750,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

New fire services are requested primarily in commercial establishments such as hotels, restaurants and warehouses. Firelines are required in commercial establishments by insurance companies, Tampa Fire Rescue and county fire departments. Specific locations are not known in advance.

FY09-14 CAPITAL IMPROVEMENT PROJECT

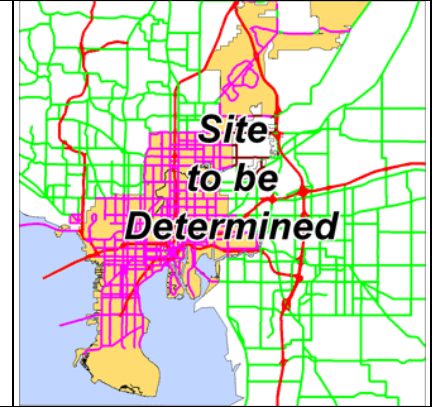
PROJECT TITLE:
New Customer Main Extensions

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:
This project provides for the construction of water mains throughout the water department service area. These mains provide service to new customers and expand the city water system. New customers apply for water service, applications are reviewed and a service commitment is made by the water department. Payment of the appropriate fees is provided by the customer, and the water main project is then designed and constructed. This activity is 100% customer-driven.



INDEX CODE: WT0443CBM **PROJECT ID:** WT-06-012

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$600,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$2,100,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

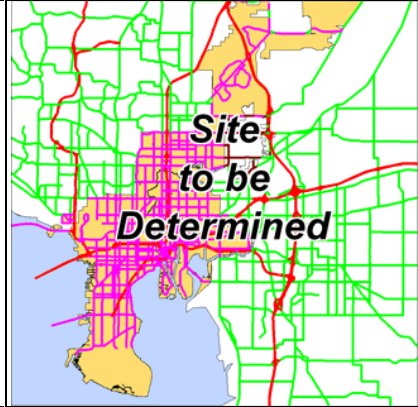
Customers often request service in new growth areas such as New Tampa and within the city / county service area. Some prospective customers are currently being serviced by the Tampa water department.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: New Metered Services **RESPONSIBLE DEPARTMENT:** Water

LOCATION: To Be Determined **FUNDING SOURCE:** Water Fund

PROJECT DESCRIPTION:
 This project provides for the installation of new metered water services and backflow prevention devices throughout the water department service area. New customers apply for water services, applications are reviewed and a service commitment is made by the department. Payment of the appropriate fees is provided by the customer, and a new meter project is then designed and constructed.



INDEX CODE: WT0443CBR **PROJECT ID:** WT-06-010

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$175,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$675,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

New metered services are requested primarily in commercial establishments including old buildings being renovated as well as new buildings such as hotels, restaurants and warehouses. Specific locations are not known in advance.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Minimum Flow Levels - Harney Canal Pipeline **RESPONSIBLE DEPARTMENT:** Water

LOCATION: Harney Canal to the David L. Tippin Water Treatment Facility **FUNDING SOURCE:** Water Fund

PROJECT DESCRIPTION:
 This project provides for a pipeline that will provide water directly from the Harney Canal to the intake of the David L. Tippin Water Treatment Facility. By running the pipeline directly to the Treatment Facility's intake, it is estimated to reduce evaporation loss of approximately 10% or 2-4 million gallons per day. The increase in water made available by the Harney Canal Pipeline would reduce the amount of water withdrawn from the Hillsborough River and therefore available for downstream augmentation. The plans are to size the pipeline to later allow for raw water supply from Tampa Bay Water reservoirs for treatment at the David L. Tippin Water Treatment Facility.



INDEX CODE: **PROJECT ID:** WT-09-018

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$1,554,000	\$14,220,000				\$15,774,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

Design: This project will be funded with a combination of increased water rates serving as the local match and grants from the Southwest Florida Water Management District.

Construction: This project will be funded with a combination of commercial paper proceeds serving as the local match and grants from the Southwest Florida Water Management District.

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Valve Program

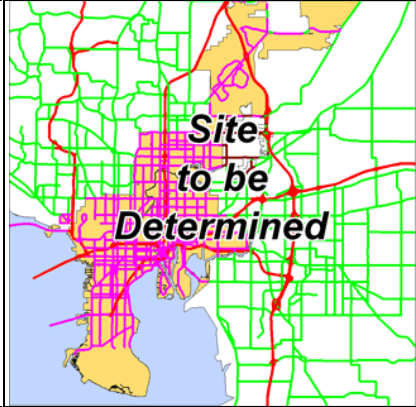
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

The project provides for the repair and / or replacement of water valves that have failed. Failing valves are a source of water loss and can prevent repair crews from shutting water off at the nearest location to the work site.



INDEX CODE:

PROJECT ID: WT-08-006

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
			\$400,000	\$400,000	\$400,000	\$400,000	\$1,600,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY09-14 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Belt Filter Press Rehabilitation

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the means to dewater sludge, a byproduct of potable water production. This project will greatly improve sludge handling operations and decrease total necessary expenditures via rehabilitation as opposed to replacement.



INDEX CODE:

PROJECT ID: WT-09-002

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
			\$250,000				\$250,000

Land Acquisition							
Design							
Bid							
Award							
Construction							