

CIP Project 2008—Ww-1

TREATMENT PLANT UPGRADE

PROJECT INFORMATION

Department: Wastewater
Project Type: Sanitary Sewer System

DESCRIPTION

This project is to enable the City to gradually upgrade the Wastewater Treatment Plant process to meet new Permit Requirements established in 2004 for ultimate disinfection of effluent water.

SCHEDULE

FY 07/08 - Fine Screening Grit removal / Screw Pump Replacement / Dome for Clarifier
 FY 08/09 - Secondary Clarifier & Dome
 FY 09/10 - UV Disinfection & Piping and Direct Outfall Relocation
 FY 10/11 - Aeration basin drain & hydraulic wall / 3rd RAS WAS Pump

ASSESSMENT AND JUSTIFICATION

The permit for the Wastewater Treatment Plant allows the City to take four years to complete an upgrade of the Treatment Plant to meet the new parameters of disinfection treatment process with secondary clarifier for control of effluent water. We will work together with the State to remain in compliance with our upgrade process and their suggested timeline.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	288	0	0	2,705	0	0	0	2,993

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	2,993	844	12	844	863	748	538	0	0
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-2

EQUIPMENT

Department: Wastewater
Project Type: Replacement Equipment

DESCRIPTION

This project is to replace equipment that has aged and performance, repairs and down time are no longer practical.

SCHEDULE

FY 09-10 Trade in 1972 Sewer Jet for a New One

ASSESSMENT AND JUSTIFICATION

With our collection system (cleaning and camering) program well underway, our existing 2004 Sewer Jet is used on a daily basis. In 2007, we are seeing the wear our use puts on this complex piece of heavy equipment. This project will allow for the purchase of another Sewer Jet. The 2004 will be used as a backup for sewer calls and maintenance. The old 1972 Sewer Jet currently serving as our backup will be traded in on the new Sewer Jet.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	0	0	0	0	0	225	0	0

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	225	0	0	0	0	225	0	0	0
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-3

PICKUP REPLACEMENT

Department: Wastewater
Project Type: Replacement Equipment

DESCRIPTION

This project replaces existing vehicles with new trucks as the fleet ages.

SCHEDULE

FY 08-09 - 1980 Ford Pickup
 FY 11-12 - 1987 Ford Ranger Pickup

ASSESSMENT AND JUSTIFICATION

This project replaces aging vehicles which are reaching the end of their service life. The existing units will be traded in, auctioned off or depending on the condition, used by another department.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	0	0	0	0	0	48	0	0

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	48	0	0	0	23	0	0	25	0
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-4

SEWER MAIN REPLACEMENT / REPAIR PROJECTS

PROJECT INFORMATION

Department: Wastewater
Project Type: Sanitary Sewer System

DESCRIPTION

This project stems from the results of a Wastewater Collection System Master Plan Study conducted in 2005/2006 by The Engineering Company. The study revealed areas in our collection system that need repaired or replaced and identified expansion needs to accommodate future growth.

SCHEDULE

FY07-08 Beginning of Planning and Design for Railway Street Line Repl.
 FY08-09 Railway Street Line Replacement
 FY09-10 Completion of Railway Line and Planning for South Interceptor
 FY10-11 Completion of South Interceptor
 FY11-12 Creek Crossing N of E 27th and Upsize of 12" between Ave B & 5th
 FY12-13 Interceptors for North Hwy 26, Northwest & Northeast

ASSESSMENT AND JUSTIFICATION

Our scheduled project this fiscal year is to begin planning and design for the replacement of the Railway Street line - a critical area in the collection system that has been found to restrict our wastewater flows thus making us more susceptible to back up. Projects scheduled beyond those shown above have also been identified in the Master Plan Study and scheduled to maintain our existing system and eventually meet the needs presented to encompass and sustain future growth.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvemen	Con- struction	Equipment	Other	Contin- gency	TOTAL
	1,565	0	0	6,259	0	0	0	7,824

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	7,824	98	0	98	331	393	406	236	6,360
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-5

SEWER LIFT STATION MAINTENANCE

PROJECT INFORMATION

Department: Wastewater
Project Type: Sanitary Sewer System

DESCRIPTION

This project is to upgrade the existing sewer lift stations within the City.

SCHEDULE

FY07/08 Hunts Tracts Lift Station Rehabilitation/Replacement

ASSESSMENT AND JUSTIFICATION

The City is responsible for 4 sewer lift stations within the City, one of which needs to be scheduled for repair, maintenance and upgrade. This project will allow us to perform the necessary maintenance work to keep these lift stations functioning properly and eliminate potential backups from equipment failure. In FY 05/06 the West 20th Street Liftstation was repaired and upgraded.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	15	0	0	110	0	0	0	125

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	125	125	0	125	0	0	0	0	0
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-6

BIOSOLIDS PAD ENLARGEMENT

PROJECT INFORMATION

Department: Wastewater
Project Type: Sanitary Sewer System

DESCRIPTION

This project is to increase the size of our biosolids (compost) pad to allow an area to store wet solids prior to the drying process.

SCHEDULE

FY11/12

ASSESSMENT AND JUSTIFICATION

The current biosolids pad is not large enough to handle the amount of solids we are producing. This project will allow us to add a storage area for wet solids to be utilized prior to the drying process. Ultimately, the pad will need to be extended and enclosed due to winter weather conditions that hinder the biosolids processing.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	0	0	0	100	0	0	0	100

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	100	0	0	0	0	0	0	100	0
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0

CIP Project 2008—Ww-7

AERATION SYSTEM BLOWER REPLACEMENT

PROJECT INFORMATION

Department: Wastewater
Project Type: Replacement Equipment

DESCRIPTION

This project is to rebuild or replace the blowers used to aerate the raw wastewater. Blowers provide oxygen for the treatment process.

SCHEDULE

FY 12/13 - Rebuild or replace 1 blower

ASSESSMENT AND JUSTIFICATION

The current blower system is a centrifugal type that makes the system cost effective. Blower rebuilding or replacement will keep the system operating and cost effective.

Costs (thousands of dollars)	Planning/ Design	Site Acquisition	Site Improvement	Con- struction	Equipment	Other	Contin- gency	TOTAL
	0	0	0	0	0	50	0	0

FUNDING (thousands of dollars)

Funding Allocations			When Resources Will be Spent						
Funding Source	Funding Required to Complete Project	FY06/07 Funding Request	Previously Spent on Project	Fiscal Year 2007-2008	Fiscal Year 2008-2009	Fiscal Year 2009-2010	Fiscal Year 2010-2011	Fiscal Year 2011-2012	Fiscal Year 2012-2013 and Beyond
General Fund	0	0	0	0	0	0	0	0	0
Wastewater	50	0	0	0	0	0	0	0	50
Water Fund	0	0	0	0	0	0	0	0	0
Env Services	0	0	0	0	0	0	0	0	0
Street Fund	0	0	0	0	0	0	0	0	0

IMPACT ON OPERATING BUDGET (thousands of dollars)

Fiscal Impact	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Revenues (shown as negative expenditures)	0	0	0	0	0	0
Expenditures	0	0	0	0	0	0
NET COST	0	0	0	0	0	0