

Borough of Tarentum Capital Improvement Plan

The Borough of Tarentum currently defines a Capital Improvement Project as a purchase or project that:

- Costs the Borough \$4,000 or more
- Is a one-time expenditure
- Has a service life of at least three years
- Directly impacts the fixed assets infrastructure, or vital equipment owned by the Borough

The collective determination as to whether a not a project ultimately qualifies to be included in the Borough's Capital Improvement Plan results from

- A suggestion by a Department Manager and subsequent confirmation by the Borough Manager
- A discovery by the Borough Manager, and confirmation by a Department Manager

A project proposal form has been in use by the Borough since 1999, and will continue to be utilized during the course of this 2009-2019 plan.

Capital Improvement Projects are scored and ranked against the following criteria:

- Public health, safety and welfare
- Availability of Financing
- Aesthetic Impacts
- Percentage of population served
- Economic development impacts

Project urgency is determined by the following Rating Score:

ESSENTIAL (30-24 points) – This ranking contains projects of the highest priority to the Borough. Examples of Essential projects are projects that are required to complete or make fully useable a major public improvement; projects which would remedy a condition that is dangerous to the health, welfare and safety of the public; and projects which would provide facilities for a critically needed community program.

DESIRABLE (23-16 points) – This ranking contains projects that are a secondary priority to the Borough. Examples of desirable projects are projects that benefit the community and projects whose validity and timing have been established.

ACCEPTABLE (15-8 points) – This ranking contains projects which are noticeably in need of completion, but are not urgent or faced with a mandatory or advisable deadline. Examples of acceptable projects are those that are planned, but not absolutely required by the community if budget reductions are necessary.

DEFERRABLE (7-0 points) – These projects are labeled as low priorities, or were formerly suggested and have been determined to be unneeded, inadequate in scope, or improperly timed.

**Tarentum Borough
Capital Improvement Projects**

2009-2019

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POLICE DEPARTMENT

**Tarentum Borough
Capital Improvement Projects
2009-2019
Police Department**

PROJECT YEAR	POLICE DEPARTMENT PROJECT	CATEGORY	PHASE	COST THIS PHASE	TOTAL PROJECT PRICE	PRICE PROJECT COMPLETED	RATING SCORE	RANK	COMPLETED	COMPLETION YEAR	CATEGORY SUBTOTAL	YEARLY EXPENSES PROJECTED	YEARLY EXPENSES ACTUAL
2009	Unmarked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$0 (grant)		17	DESIRABLE			\$0	\$0	
2009	Records Management System	Police Station	1 of 1	\$0	\$0 (cty)		20	DESIRABLE					
2009	County Wide Dispatch	Police Station	1 of 1	\$0	\$0 (cty)		20	DESIRABLE			\$0	\$0	
2010	In-Station Computer System	Police Station	1 of 1	\$25,000	\$0 (COPS)		15	ACCEPTABLE			\$0	\$0	
2010	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20	DESIRABLE					
2010	Video Camera and VCRs for Police Vehicles	Vehicles/Equipment	1 of 1	\$30,000	\$0 (COPS)		13	ACCEPTABLE			\$25,000	\$25,000	
2011	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20	DESIRABLE			\$25,000	\$25,000	
2013	In-Vehicle Computer System	Vehicles/Equipment	1 of 1	\$19,000	\$0 (COPS)		15	ACCEPTABLE					
2013	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20	DESIRABLE					
2013	Upgrade Tactical Gear	Vehicles/Equipment	1 of 1	\$15,000	\$0 grant						\$25,000	\$25,000	
2015	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20	DESIRABLE			\$25,000	\$25,000	
2017	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20	DESIRABLE			\$25,000	\$25,000	
2019	Marked Police Vehicle	Vehicles/Equipment	1 of 1	\$25,000	\$25,000		20				\$25,000	\$25,000	
												\$150,000	

**Borough of Tarentum
Capital Improvement Plan**

Department **Police**

Project Year **2009**

Project **Unmarked Police Vehicle**

Description **Purchase an unmarked police vehicle**

Justification **The Police Department needs to replace its unmarked vehicle to support investigations, surveillance, and traffic enforcement. This purchase will maintain officers' ability to be versatile in their daily operations.**

Estimated Cost **none**

Possible Funding Source **Congressman John Murtha's Homeland Security grant**

Total Rating Score **17**

Rank **Desirable**

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2009
Project	Records Management System
Description	Establish a new records management system that interfaces with Allegheny County
Justification	This new records management system would interface with the county and other police departments in Allegheny County. This system will be use to provide information on and track criminals.
Estimated Cost	none
Possible Funding Source	Allegheny County
Total Rating Score	20
Rank	Desirable
UPDATE	It is anticipated that this project will be implemented in 2009.

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2009
Project	County-Wide Computer Dispatch
Description	Join the county-wide computer dispatch system, eliminating the need to release information over the dispatch radio to the general public.
Justification	The county is instituting a dispatch system that will link all municipalities together and protect the integrity of dispatches by keeping the transactions private.
Estimated Cost	Allegheny County has secured \$13 million toward the project.
Possible Funding Source	Allegheny County
Total Rating Score	20
Rank	Desirable
UPDATE	It is anticipated that this project could begin in 2009.

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2010
Project	Vehicle Replacement
Description	Phased triannual vehicle replacement
Justification	Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.
Estimated Cost	\$25,000
Possible Funding Source	Capital Equipment Fund
Total Rating Score	20
Rank	Desirable
UPDATE	Each of 4 police vehicles will be replaced at an interval of one every three years.

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2010
Project	In-Station Computer System
Description	Purchase of an in-station computer system that has a main server with access to in-vehicle computers and four additional computers to be used by police officers.
Justification	The computer system is used for filing police reports, investigations, and record keeping. A new system was purchased in 2005, and must be upgraded.
Estimated Cost	\$25,000
Possible Funding Source	Included in COPS Grant Application
Total Rating Score	15
Rank	Acceptable

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2010
Project	Video Camera and VCRs for all Police Vehicles
Description	Purchase and install video cameras and VCRs for three marked police vehicles.
Justification	Installing cameras in all police vehicles will increase officer safety and protect the Police Department against liability suits.
Estimated Cost	\$30,000
Possible Funding Source	COPS Grant, State of PA Single Application
Total Rating Score	13
Rank	Acceptable
UPDATE	Need to replace unit received in 2005

**Borough of Tarentum
Capital Improvement Plan**

Department **Police**

Project Year **2011**

Project **Vehicle Replacement**

Description **Phased triannual vehicle replacement**

Justification **Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.**

Estimated Cost **\$25,000**

Possible Funding Source **Capital Equipment Fund**

Total Rating Score **20**

Rank **Desirable**

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2013
Project	Vehicle Replacement
Description	Phased triannual vehicle replacement
Justification	Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.
Estimated Cost	\$25,000
Possible Funding Source	Capital Equipment Fund
Total Rating Score	20
Rank	Desirable
UPDATE	It is uncertain at which intervals marked cars vs unmarked cars are being replaced.

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2013
Project	In-Vehicle Computer System
Description	Purchase an In-Vehicle Computer System to be installed in three marked vehicles and one unmarked vehicle.
Justification	An in-vehicle computer system will allow continual contact between the officer and the dispatch center. It will also enhance police officer safety and provide officers with immediate access to information about dangerous criminals.
Estimated Cost	\$15,000
Possible Funding Source	Included in COPS Grant Application
Total Rating Score	15
Rank	Acceptable
UPDATE	This purchase is part of a phased replacement of systems last purchased in 2007.

Borough of Tarentum Capital Improvement Plan

Department	Police
Project Year	2013
Project	Upgrade Tactical Gear
Description	Purchase new tactical gear for the Tarentum Borough police officers at a cost of \$1,500 per officer, plus one reserve gear for part time officer. One gear set includes vest, helmet, knee pads and elbow pads.
Justification	Tactical gear is continuously upgraded to reflect current maximum protection standards and reduce likelihood of injury to an officer due to wear and inefficacy. The last grant for tactical gear awarded to the Borough police department in 2006 is only good for seven years
Estimated Cost	\$15,000
Possible Funding Source	Grant
Total Rating Score	20
Rank	Desirable

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2015
Project	Vehicle Replacement
Description	Phased triannual vehicle replacement
Justification	Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.
Estimated Cost	\$25,000
Possible Funding Source	Capital Equipment Fund
Total Rating Score	20
Rank	Desirable

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Police
Project Year	2017
Project	Vehicle Replacement
Description	Phased triannual vehicle replacement
Justification	Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.
Estimated Cost	\$25,000
Possible Funding Source	Capital Equipment Fund
Total Rating Score	20
Rank	Desirable

UPDATE

Borough of Tarentum Capital Improvement Plan

Department	Police
Project Year	2019
Project	Vehicle Replacement
Description	Phased triannual vehicle replacement
Justification	Patrol vehicles take a lot of wear and tear and average 1,000 to 1,200 miles per week. Replacing a vehicle every three years helps to maintain a dependable fleet of vehicles.
Estimated Cost	\$25,000
Possible Funding Source	Capital Equipment Fund
Total Rating Score	20
Rank	Desirable

UPDATE

**PUBLIC
WORKS
AND
PROPERTY
DEPARTMENT**

**Tarentum Borough
Capital Improvement Projects
2009-2019**

PROJECT YEAR	PUBLIC WORKS AND PROPERTY	CATEGORY	PHASE	COST THIS PHASE	TOTAL PROJECT PRICE	PRICE PHASE COMPLETED	RATING SCORE	RANK	COMPLETED	COMPLETION DATE	CATEGORY SUBTOTAL	YEARLY EXPENSES PROJECTED	YEARLY EXPENSES ACTUAL
2009	Center Street	Street Projects	1 of 1	\$47,000	\$47,000		25	ESSENTIAL			\$47,000	\$47,000	
2014	Resurface W. 10th Avenue	Street Projects	1 of 1	\$40,000	\$40,000		22	DESIRABLE			\$40,000	\$40,000	
2015	Replace Park Sidewalks	Street Projects	1 of 1	\$20,000	\$20,000	\$15,000	30	ESSENTIAL			\$15,000	\$15,000	
2016	Resurface Butler Street	Street Projects	1 of 1	\$22,000	\$22,000		13	ACCEPTABLE			\$22,000	\$22,000	
2019	Resurface Ormond Street	Street Projects	1 of 1	\$30,000	\$30,000		13	ACCEPTABLE			\$30,000	\$30,000	
												\$154,000	

**Borough of Tarentum
Capital Improvement Plan**

Department	Public Works and Property
Project Year	2009
Project	Resurfacing of Center Street
Description	Milling and asphalt resurfacing of Center Street from West 6th Avenue to West 10th Avenue.
Justification	This road is a truck route and is heavily traveled. It will need to be resurfaced to maintain safe travel.
Estimated Cost	\$47,000
Possible Funding Source	General Fund, Liquid Fuels Fund
Total Rating Score	25
Rank	Essential

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Public Works and Property
Project Year	2014
Project	Resurface West 10th Avenue
Description	Asphalt resurfacing of West 10th Avenue from Grantham Street to Western Street.
Justification	This street is currently a brick street, and is in poor condition and will need to be resurfaced. This road is a high traffic area for the Borough, and the weekly traffic increases on weekends as church attendees commute.
Estimated Cost	\$40,000
Possible Funding Source	
Total Rating Score	22
Rank	Desirable

**Borough of Tarentum
Capital Improvement Plan**

Department	Public Works and Property
Project Year	2015
Project	Replace Sidewalks
Description	Replace sidewalks in Riverview Park with concrete
Justification	The conditions are dangerous, as trees planted in the 1930's are lifting the sidewalks which many Borough residents use as part of their daily exercise. Residents tripping on treacherously uneven sidewalks create a liability to the Borough.
Estimated Cost	\$20,000
Possible Funding Source	Port of Pittsburgh grant
Total Rating Score	30
Rank	Essential
UPDATE	The Borough was notified that it was the recipient of a \$5,000 grant in March, 2009.

**Borough of Tarentum
Capital Improvement Plan**

Department	Public Works and Property
Project Year	2016
Project	Resurface Butler Street
Description	Milling and asphalt resurfacing of Butler Street from East 10th Avenue to the dead end on Butler Street.
Justification	The condition of this road is deteriorating and should be resurfaced to preserve safe travel conditions for residents.
Estimated Cost	\$22,000
Possible Funding Source	
Total Rating Score	13
Rank	Acceptable

**Borough of Tarentum
Capital Improvement Plan**

Department	Public Works and Property
Project Year	2019
Project	Resurfacing of Ormond Street
Description	Asphalt resurfacing of Ormond Street from East 10th Avenue to Hazlett Avenue
Justification	The condition of this road is deteriorating due to high travel by motorists. It will need to be resurfaced to maintain proper travel conditions
Estimated Cost	\$33,000
Possible Funding Source	If the borough continues to receive \$106,000 per year through the Liquid Fuels fund, then the Borough will be able to allocate \$30,000 to \$50,000 per year toward paving.
Total Rating Score	13
Rank	Acceptable

UPDATE

**WATER
DISTRIBUTION
DEPARTMENT**

**Tarentum Borough
Capital Improvement Projects
2009-2019
Water Distribution**

PROJECT YEAR	WATER DISTRIBUTION	CATEGORY	PHASE	COST THIS PHASE	TOTAL PROJECT PRICE	PRICE PHASE COMPLETED	RATING SCORE	RANK	COMPLETED	COMPLETION DATE	CATEGORY SUBTOTAL	YEARLY EXPENSES PROJECTED	YEARLY EXPENSES ACTUAL
2009	Fire Hydrant Replacement	Distribution System Projects	1 of 3	\$28,260	\$650,000		30	ESSENTIAL					
2009	Manual Valve Turning Machine	Vehicles/Equipment	1 of 1	\$6,000	\$6,000		30	ESSENTIAL			\$6,000	\$6,000	
2009	Raw Water Lines	Distribution System Projects	1 of 1	\$250,000	\$250,000		26	ESSENTIAL			\$278,260	\$278,260	
2010	Fire Hydrant Replacement	Distribution System Projects	2 of 3	\$28,260	\$650,000		30	ESSENTIAL			\$28,260	\$28,260	
2010	Payment #1 of a One Ton Dist. Truck	Vehicles/Equipment	1 of 3	\$10,000	\$30,000		30	ESSENTIAL			\$10,000	\$10,000	
2011	Confined Space Entry Equipment	Vehicles/Equipment	1 of 1	\$6,000	\$6,000		18	DESIRABLE					
2011	Fire Hydrant Replacement	Distribution System Projects	3 of 3	\$28,260	\$650,000		30	ESSENTIAL			\$28,260	\$28,260	
2011	Payment #1 of Water Bldg	Buildings/Property	1 of 2	\$25,000	\$50,000		23	DESIRABLE			\$25,000	\$25,000	
2011	Payment #2 of a One Ton Dist. Truck	Vehicles/Equipment	2 of 3	\$10,000	\$30,000		30	ESSENTIAL			\$10,000	\$10,000	
2012	Payment #2 of Water Bldg	Buildings/Property	2 of 2	\$25,000	\$50,000		23	DESIRABLE			\$25,000	\$25,000	
2012	Payment #3 of a One Ton Dist. Truck	Vehicles/Equipment	3 of 3	\$10,000	\$30,000		30	ESSENTIAL			\$10,000	\$10,000	
2013	Phase #1 Tank Rehabilitation	Distribution System Projects	1 of 3	\$50,000	\$150,000		20	DESIRABLE			\$50,000	\$50,000	
2014	Phase #2 Tank Rehabilitation	Distribution System Projects	2 of 3	\$50,000	\$150,000		20	DESIRABLE					
2014	Ormond Street Water Line	Distribution System Projects	1 of 1	\$190,000	\$190,000		22	DESIRABLE					
2015	Phase #3 Tank Rehabilitation	Distribution System Projects	3 of 3	\$50,000	\$150,000		20	DESIRABLE			\$50,000	\$50,000	
												\$520,780	

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2009
Project	Fire Hydrant Replacement
Description	Incrementally replace all of the Borough's 163 fire hydrants.
Justification	The fire hydrants have been replaced at a rate of eight to ten hydrants per year since 1988. This project is scheduled to wrap up in 2011.
Estimated Cost	\$28,260
Possible Funding Source	Borough budget
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2011 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2009
Project	Manual Valve Turning Machine
Description	Purchase a manual valve turning machine
Justification	This machine is used to exercise valves so that all of the valves are used at least once. This purchase will help the Borough to conform to ACHD/DEP standards.
Estimated Cost	\$6,000
Possible Funding Source	Borough budget
Total Rating Score	30
Rank	Desirable

**Borough of Tarentum
Capital Improvement Plan**

Department **Water Distribution**

Project Year **2009**

Project **Raw Water Lines**

Description **Replace 1,200 feet of raw water lines on Electric Alley and Main Street. The existing 14 inch mains will be replaced with new 12 inch ductile iron.**

Justification **The existing 14 inch mains are no longer manufactured. Replacing the 14 inch mains with 12 inch ductile iron allows the main to be repaired in the event of a water main break.**

Estimated Cost **\$250,000**

Possible Funding Source **Outside funding**

Total Rating Score **26**

Rank **Essential**

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2010
Project	Fire Hydrant Replacement
Description	Incrementally replace all of the Borough's 163 fire hydrants.
Justification	The fire hydrants have been replaced at a rate of eight to ten hydrants per year since 1988. This project is scheduled to wrap up in 2011.
Estimated Cost	\$28,260
Possible Funding Source	Borough budget
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2011 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2010
Project	Payment #1 of One Ton Distribution Truck
Description	Purchase a used one ton distribution truck with a crane and air compressor.
Justification	This will be the primary service truck for the Water Distribution Department. The department does not have a one ton truck, and needs it to carry all safety equipment and to maintain the daily operations of the department.
Estimated Cost	\$10,000
Possible Funding Source	Borough financing of a five-year maximum loan, payment not to exceed \$10,000 per year
Total Rating Score	30
Rank	Essential – truck rusting
UPDATE	2010 Phase 1 2011 Phase 2 2012 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department **Water Distribution**

Project Year **2011**

Project **Confined Space Entry Equipment**

Description **Secure and purchase confined space entry equipment**

Justification **The Water Distribution Department does not have this equipment and must borrow it from the fire department. This equipment is necessary to keep employees safe. All Borough employees, regardless of department, will be able to use this equipment once it is purchased.**

Estimated Cost **\$6,000**

**Possible Funding
Source**

**Total Rating
Score** **18**

Rank **Desirable**

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2011
Project	Fire Hydrant Replacement
Description	Incrementally replace all of the Borough's 163 fire hydrants.
Justification	The fire hydrants have been replaced at a rate of eight to ten hydrants per year since 1988. This project is scheduled to wrap up in 2011.
Estimated Cost	\$28,260
Possible Funding Source	Borough budget
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2011 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2011
Project	Payment #1 of Water Department Building
Description	Construct a new building for the Electric and Water Departments at the old playground between 5th Avenue and Electric Alley. The building will be approximately 4,000 square feet with four garage doors and four main doors.
Justification	Currently, all departments are housed in one building and there is not enough room for all of the equipment and stock
Estimated Cost	\$25,000
Possible Funding Source	Borough funding
Total Rating Score	23
Rank	Desirable
UPDATE	2011 Phase 1 2012 Phase 2

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2011
Project	Payment #2 of One Ton Distribution Truck
Description	Purchase a used one ton distribution truck with a crane and air compressor.
Justification	This will be the primary service truck for the Water Distribution Department. The department does not have a one ton truck, and needs it to carry all safety equipment and to maintain the daily operations of the department.
Estimated Cost	\$10,000
Possible Funding Source	Borough financing of a five-year maximum loan, payment not to exceed \$10,000 per year
Total Rating Score	30
Rank	Essential – truck rusting
UPDATE	2010 Phase 1 2011 Phase 2 2012 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2012
Project	Payment #2 of Water Department Building
Description	Construct a new building for the Electric and Water Departments at the old playground between 5th Avenue and Electric Alley. The building will be approximately 4,000 square feet with four garage doors and four main doors.
Justification	Currently, all departments are housed in one building and there is not enough room for all of the equipment and stock
Estimated Cost	\$25,000
Possible Funding Source	Borough funding
Total Rating Score	23
Rank	Desirable
UPDATE	2011 Phase 1 2012 Phase 2

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2012
Project	Payment #3 of One Ton Distribution Truck
Description	Purchase a used one ton distribution truck with crane and air compressor
Justification	This will be the primary truck for the Water Distribution Department. The department does not have a one ton truck and needs it to carry all safety equipment and to maintain the daily operations of the department.
Estimated Cost	\$30,000 over life of a three year loan, \$10,000 annually
Possible Funding Source	Borough financing of a three-year maximum loan, payment not to exceed \$10,000 per year
Total Rating Score	30
Rank	Essential – truck is rusting
UPDATE	2010 Phase 1 2011 Phase 2 2012 Phase 3 – Project Complete

Borough of Tarentum Capital Improvement Plan

Department	Water Distribution
Project Year	2013
Project	Tank Rehabilitation
Description	Draining, inspecting, repainting, and installing new piping for the train inside the water tank. This project will replace the small tank with a new 1 million gallon tank and valve pit.
Justification	The tank rehabilitation must be done to comply with Allegheny County Health Department/Department of Environmental Protection (ACHD/DEP) regulations. This rehabilitation enhances the quality of water, protects consumers against diseases and prevents total collapse of the tank.
Estimated Cost	\$50,000 per tank/\$150,000 for the project
Possible Funding Source	External funding being sought
Total Rating Score	20
Rank	Desirable
UPDATE	2013 Phase 1 2014 Phase 2 2015 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2014
Project	Tank Rehabilitation
Description	Draining, inspecting, repainting, and installing new piping for the train inside the water tank. This project will replace the small tank with a new 1 million gallon tank and valve pit.
Justification	The tank rehabilitation must be done to comply with Allegheny County Health Department/Department of Environmental Protection (ACHD/DEP) regulations. This rehabilitation enhances the quality of water, protects consumers against diseases and prevents total collapse of the tank.
Estimated Cost	\$50,000 per tank/\$150,000 for the project
Possible Funding Source	External funding being sought
Total Rating Score	20
Rank	Desirable
UPDATE	2013 Phase 1 2014 Phase 2 2015 Phase 3 – Project Complete

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Distribution
Project Year	2014
Project	Ormond Street Water Line
Description	Replace the water line along Ormond Street
Justification	This stretch of water line has been subject to several breaks and in need of several repairs over the last few years. It should be replaced.
Estimated Cost	\$190,000
Possible Funding Source	External funding being sought
Total Rating Score	22
Rank	Desirable

UPDATE

Borough of Tarentum Capital Improvement Plan

Department	Water Distribution
Project Year	2015
Project	Tank Rehabilitation
Description	Draining, inspecting, repainting, and installing new piping for the train inside the water tank. This project will replace the small tank with a new 1 million gallon tank and valve pit.
Justification	The tank rehabilitation must be done to comply with Allegheny County Health Department/Department of Environmental Protection (ACHD/DEP) regulations. This rehabilitation enhances the quality of water, protects consumers against diseases and prevents total collapse of the tank.
Estimated Cost	\$50,000 per tank/\$150,000 for the project
Possible Funding Source	External funding being sought
Total Rating Score	20
Rank	Desirable
UPDATE	2013 Phase 1 2014 Phase 2 2015 Phase 3 – Project Complete

**WATER
TREATMENT
DEPARTMENT**

**Tarentum Borough
Capital Improvement Projects
2009-2019**

2009	One Basin Drag Unit	Water Plant Project	1 of 1	\$60,000	\$60,000		23	DESIRABLE			\$114,000	\$60,000	
2010	Rebuild Four Filters and Media Phase 2	Water Plant Project	2 of 5	\$54,000	\$270,000		30	ESSENTIAL			\$54,000	\$54,000	
2011	Upgrade Controls at the Water Plant	Water Plant Project	1 of 1	\$40,000	\$40,000		27	ESSENTIAL			\$40,000	\$40,000	
2012	Flocculator Work	Water Plant Project	1 of 1	\$50,000	\$50,000		22	DESIRABLE				\$50,000	
2012	Rebuild Four Filters and Media Phase 3	Water Plant Project	3 of 5	\$54,000	\$270,000		30	ESSENTIAL			\$104,000	\$54,000	
2013	Replace Pumps	Pumphouse Project	1 of 1	no est.	no est.		18	DESIRABLE			no est.	no est.	
2014	Rebuild Four Filters and Media Phase 4	Water Plant Project	4 of 5	\$54,000	\$270,000		30	ESSENTIAL			\$54,000	\$54,000	
2015	Water Security Tank	Water Plant Project	1 of 1	\$4,000	\$4,000		11	ACCEPTABLE			\$4,000	\$4,000	
2016	Pump House Piping and Electrical Mods.	Pumphouse Project	1 of 1	\$250,000	\$250,000		11	ACCEPTABLE			\$250,000	\$250,000	
2016	Rebuild Four Filters and Media Phase 5	Water Plant Project	5 of 5	\$54,000	\$270,000		30	ESSENTIAL			\$54,000	\$54,000	
2018	Piping Gallery Modifications	Water Plant Project	1 of 1	\$800,000	\$800,000		30	ESSENTIAL			\$800,000	\$800,000	
											\$1,480,000		

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2009
Project	Rebuild 4 Filters Phase 1
Description	This project is for the replacement of under drains and media, and includes the addition of an air scoop.
Justification	This is an essential project, as filters are showing wear, and media has not been added to or replaced in several years.
Estimated Cost	\$54,000
Possible Funding Source	The Borough is currently examining the possibility of securing an infrastructure grant, and additional funding from a federal program.
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2012 Phase 3 2014 Phase 4 2016 Phase 5

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2009
Project	Pumphouse Maintenance
Description	This project is for the replacement of broken bolts and decking in the pumphouse
Justification	There are rusted bolts and equipment in the pumphouse which could lead to leakage of pipes and possible flooding of the pumphouse. The wooden deck in the pumphouse has weakened over the years and needs to be replaced.
Estimated Cost	\$6,000
Possible Funding Source	This item is addressed in the 2009 budget for the Borough
Total Rating Score	30
Rank	Essential

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2009
Project	One Basin Drag Unit
Description	This project is for the replacement of old drag units with two new robotic unit
Justification	This project is for the replacement of old drag units that are not working properly. With the replacement of the units, the Water Department will also save water by not draining basins each time they are cleaned.
Estimated Cost	\$160,000
Possible Funding Source	Yet to be determined
Total Rating Score	23
Rank	Desirable

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2010
Project	Rebuild 4 Filters Phase 2
Description	This project is for the replacement of under drains and media, and includes the addition of an air scoop.
Justification	This is an essential project, as filters are showing wear, and media has not been added to or replaced in several years.
Estimated Cost	\$54,000
Possible Funding Source	The Borough is currently examining the possibility of securing an infrastructure grant, and additional funding from a federal program.
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2012 Phase 3 2014 Phase 4 2016 Phase 5

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2011
Project	Upgrade Controls at the Water Plant
Description	This project is for the upgrade of the controls at the Water Plant
Justification	Computer board controls are wearing and are expensive to replace due to the age of the equipment and the difficulty in replacing obsolete parts. Replacement parts are difficult to find and/or expensive to purchase.
Estimated Cost	\$40,000
Possible Funding Source	Partial Borough funding and outside grants
Total Rating Score	27
Rank	Essential

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2012
Project	Flocculator Work
Description	Replace and rebuild all flocculators in the water treatment facility
Justification	The flocculators are dated and in need of repair and replacement
Estimated Cost	\$50,000
Possible Funding Source	
Total Rating Score	22
Rank	Desirable

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2012
Project	Rebuild 4 Filters Phase 3
Description	This project is for the replacement of under drains and media, and includes the addition of an air scoop.
Justification	This is an essential project, as filters are showing wear, and media has not been added to or replaced in several years.
Estimated Cost	\$54,000
Possible Funding Source	The Borough is currently examining the possibility of securing an infrastructure grant and additional funding from a federal program.
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 <u>2012 Phase 3</u> 2014 Phase 4 2016 Phase 5

**Borough of Tarentum
Capital Improvement Plan**

Department **Water Treatment**

Project Year **2013**

Project **Replace Pumps**

Description **This project is for the replacement of pump housings that are worn and leaking.**

Justification **Some of the pumps have not been replaced for years. Over time, the pumps that have been re-built are becoming de-sealed and worn.**

Estimated Cost

Possible Funding Source

Total Rating Score **18**

Rank **Desirable**

UPDATE

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2014
Project	Rebuild 4 Filters Phase 4
Description	This project is for the replacement of under drains and media, and includes the addition of an air scoop.
Justification	This is an essential project, as filters are showing wear, and media has not been added to or replaced in several years.
Estimated Cost	\$54,000
Possible Funding Source	The Borough is currently examining the possibility of securing an infrastructure grant and additional funding for a federal program.
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2012 Phase 3 2014 Phase 4 2016 Phase 5

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2015
Project	Water Tank Security
Description	This project is for the addition of new fencing and cameras to be installed around the water tanks.
Justification	The fencing and cameras are need to address Homeland Security and public safety issues
Estimated Cost	\$4,000
Possible Funding Source	This project will be accomplished through the application of local and outside funding
Total Rating Score	11
Rank	Essential

Borough of Tarentum Capital Improvement Plan

Department	Water Treatment
Project Year	2016
Project	Pump House Piping and Electrical Modifications
Description	This project involves structural work, standardization of piping, elimination of EMT conduit, and sealing of the river pump house. The EMT will be replaced with threaded conduit and the wood floor would be replaced with secondary steel and fiberglass grating?
Justification	This renovation will eliminate the water coming through the walls and damaging electrical boxes during river floods. It will also make the pump house's piping easier to replace in time of emergency. Most importantly, this project will bring the electrical facilities into National Electrical Code (NEC) compliance.
Estimated Cost	\$250,000
Possible Funding Source	
Total Rating Score	11
Rank	Acceptable

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2016
Project	Rebuild 4 Filters Phase 5
Description	This project is for the replacement of under drains and media, and includes the addition of an air scoop.
Justification	This is an essential project, as filters are showing wear, and media has not been added to or replaced in several years.
Estimated Cost	\$54,000
Possible Funding Source	The Borough is currently examining the possibility of securing an infrastructure grant and additional funding from a federal program.
Total Rating Score	30
Rank	Essential
UPDATE	2009 Phase 1 2010 Phase 2 2012 Phase 3 2014 Phase 4 2016 Phase 5

**Borough of Tarentum
Capital Improvement Plan**

Department	Water Treatment
Project Year	2018
Project	Piping Gallery Modifications
Description	This project calls for modifications for the Clarifier-Parallel Operation, piping, valves and sluice gates.
Justification	Needed to properly maintain and isolate basins
Estimated Cost	\$800,000
Possible Funding Source	
Total Rating Score	30
Rank	Essential