



College Hill Water Filtration Plant



WATER FUND CAPITAL PROJECTS – SUMMARY OF APPROPRIATIONS - This summary demonstrates project appropriations for each Fiscal Year along with the expected sources of funding.

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
RESOURCES					
Pay -as-you-go - Water Operating	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Debt Financing	6,472,000	4,524,000	4,423,000	10,999,000	5,725,000
TOTAL ESTIMATED RESOURCES	\$6,972,000	\$5,024,000	\$4,923,000	\$11,499,000	\$6,225,000
LOCALLY FINANCED PROJECTS					
Cornerstone Development	\$200,000	\$0	\$0	\$0	\$0
Water main replacement- combined sewer overflow (cso)	900,000	900,000	900,000	925,000	950,000
Annual water petitions	350,000	350,000	350,000	375,000	400,000
Water Facilities Improvements	250,000	250,000	0	0	0
Distribution system improvements	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000
Water Tank Rehabilitation	1,097,000	174,000	173,000	199,000	200,000
College Hill Water Filtration Plant: Warehouse/Equipment Storage Facility	250,000	0	0	0	0
Pedlar Dam Repairs	50,000	350,000	0	0	0
Dam Safety Study	400,000	0	0	6,000,000	0
Utility Dept office relocation	475,000	0	0	0	0
Pedlar Gravity Line Replacement	500,000	0	0	0	0
Florida Avenue Water Pump Station	0	0	0	0	175,000
TOTAL PROPOSED PROJECTS	\$6,972,000	\$5,024,000	\$4,923,000	\$11,499,000	\$6,225,000

Note: Debt financing will occur based on project cash flows and the City's debt issuance plan.



WATER FUND CAPITAL PROJECTS FINANCING PLAN- This summary demonstrates projected expenditure cash flows for each Fiscal Year along with the expected sources of funding.

As part of the annual budget process, the City appropriates funding for capital projects in accordance with the Five Year Capital Improvement Plan. Typically, the City conducts bi-annual bond financings in the last half of every other fiscal year. New bond issues are based on the expected cash flow requirements of projects between bond sales and may differ from funding requirements for annual appropriations.

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
BALANCE FORWARD	\$1,325,785	\$7,082,850	\$2,321,850	\$10,023,850	\$4,274,850
INCOME					
Pay -as-you-go - Water Operating	500,000	500,000	500,000	500,000	500,000
Pay -as-you-go - Fund Balance	1,325,785				
General Obligation Bond Proceeds	13,424,215	0	12,000,000	0	10,000,000
TOTAL INCOME	\$15,250,000	\$500,000	\$12,500,000	\$500,000	\$10,500,000
CASH FLOW REQUIREMENTS					
Incomplete projects as of July 1, 2008	2,443,631				
FY 2009-2013 CIP Projects	7,049,304	5,261,000	4,798,000	6,249,000	8,475,000
TOTAL EXPENDITURES	\$9,492,935	\$5,261,000	\$4,798,000	\$6,249,000	\$8,475,000
BALANCE FORWARD	\$7,082,850	\$2,321,850	\$10,023,850	\$4,274,850	\$6,299,850

Note: Debt financing will occur based on project cash flows and the City's debt issuance plan.



FIVE-YEAR PROPOSED APPROPRIATIONS TO BE FINANCED BY THE CITY					
Project Title	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
WATER - NEW CONSTRUCTION					
Annual Water Petitions	350,000	350,000	350,000	375,000	400,000
Source of Funding					
Pay-As-You-Go	350,000	350,000	350,000	375,000	400,000
College Hill Water Filtration Plant Warehouse and Storage	250,000	0	0	0	0
Source of Funding					
G.O. Bond	250,000	0	0	0	0
Cornerstone Development	200,000	0	0	0	0
Source of Funding					
Pay-As-You-Go	200,000	0	0	0	0
Dam Safety/Upgrade Study	400,000	0	0	6,000,000	0
Source of Funding					
G.O. Bond	400,000	0	0	6,000,000	0
Distribution System Improvements	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000
Source of Funding					
G.O. Bond	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000
Florida Avenue Pump Station	0	0	0	0	175,000
Source of Funding					
G.O. Bond	0	0	0	0	175,000
Pedlar Dam Repairs	50,000	350,000	0	0	0
Source of Funding					
G.O. Bond	50,000	350,000	0	0	0
Pedlar Gravity Line Replacement	500,000	0	0	0	0
Source of Funding					
G.O. Bond	500,000	0	0	0	0
Utility Department Office Relocation	475,000	0	0	0	0
Source of Funding					
G.O. Bond	475,000	0	0	0	0
Water Facilities Improvements	250,000	250,000	0	0	0
Source of Funding					
Pay-As-You-Go	125,000	0	0	0	0
G.O. Bond	125,000	250,000	0	0	0
Water Main Replacement - Combined Sewer Overflow (CSO)	900,000	900,000	900,000	925,000	950,000
Source of Funding					
G.O. Bond	900,000	900,000	900,000	925,000	950,000
Water Tank Rehabilitation	1,097,000	174,000	173,000	199,000	200,000
Source of Funding					
Pay-As-You-Go	811,765	150,000	150,000	125,000	100,000
G.O. Bond	285,235	24,000	23,000	74,000	100,000
Total Estimates Submitted FY 2009-2013 CIP	\$6,972,000	\$5,024,000	\$4,923,000	\$11,499,000	\$6,225,000
Source of Funding					
G.O. Bond	\$5,485,235	\$4,524,000	\$4,423,000	\$10,999,000	\$5,725,000
Pay-As-You-Go	\$1,486,765	\$500,000	\$500,000	\$500,000	\$500,000

Funding totals on this schedule may differ from the Financing Plan schedule due to the timing of projects and availability of resources.



FIVE-YEAR ESTIMATED NET COST	APPROPRIATIONS THROUGH 8/31/07	ESTIMATED COST BEYOND PROGRAM PERIOD	TOTAL ACCUMULATED PROJECT COST
\$1,825,000	Continuing	Continuing	\$1,825,000
\$250,000	500,000	0	\$750,000
\$200,000	400,000	0	\$600,000
\$6,400,000	0	0	\$6,400,000
\$17,500,000	Continuing	Continuing	\$17,500,000
\$175,000	0	2,000,000	\$2,175,000
\$400,000	0	0	\$400,000
\$500,000	0	0	\$500,000
\$475,000	0	0	\$475,000
\$500,000	250,000	0	\$750,000
\$4,575,000	Continuing	Continuing	\$4,575,000
\$1,843,000	Continuing	Continuing	\$1,843,000
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\$34,643,000			\$37,793,000
\$31,156,235			
\$3,486,765			
<hr/>			
\$34,643,000			



CONTINUING PROJECTS THAT HAVE BEEN APPROPRIATED IN PRIOR YEARS

Project Title	Total Project Estimate	Total Expenditures and Encumbrances Thru 1/31/08	Remaining Appropriations
WATER			
Distribution System Improvements	Continuing	Continuing	\$643,050
Annual Water Petitions	Continuing	Continuing	\$525,721
Water Main Replacements	Continuing	Continuing	\$1,012,919
Cornerstone Development	600,000	0	\$600,000
Water Tank Rehabilitation	Continuing	Continuing	\$59,565
College Hill Water Treatment Plant Warehouse	750,000	0	\$750,000
College Hill Water Treatment Plant Renovations	5,406,412	5,340,135	\$66,277
CSO 8.1A	400,000	344,727	\$55,273
New Towne Subdivision Section 7	45,250	2,250	\$43,000
CSO 1.D4	189,388	154,388	\$35,000
Municipal Water Tank Design	155,179	144,609	\$10,569
TOTALS	\$7,546,229	\$5,986,110	\$3,801,374



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER
ANNUAL WATER PETITIONS

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project supports essential services
Project contributes to generation of new revenue



PROJECT DESCRIPTION

Extensions of water lines are requested by petition process. These requests may include existing non-served properties, commercial development and new residential subdivisions. Also for reimbursement of developer's costs to construct City water lines per City Code.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1: Provide citizens of Lynchburg with dependable, modern, high quality water and sanitary sewer service with sufficient capacity to meet the City's long-term requirements.

PROJECT MANAGER(S)
Lee Newland, Director of Engineering

PROJECT START DATE Continuing
PROJECT COMPLETION DATE Continuing

COMPLETION SCHEDULE

Activity	Complete - Quarter
City Engineering Service Charges	Q1 - Q2 FY 2009 - FY 2013
Construction	Q1 - Q2 FY 2009 - FY 2013

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):

Increases revenue from new water service customers, and increases costs to maintain new lines.

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
City Engineering Service Charges	40,000	40,000	40,000	45,000	50,000	\$215,000
Construction	310,000	310,000	310,000	330,000	350,000	\$1,610,000
TOTAL	\$350,000	\$350,000	\$350,000	\$375,000	\$400,000	\$1,825,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: Pay-As-You-Go	689,020	350,000	350,000	375,000	400,000	\$2,164,020
TOTAL	\$689,020	\$350,000	\$350,000	\$375,000	\$400,000	\$2,164,020

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07 Continuing **FY 2009-2013 CASH FLOW** \$2,164,020 **BEYOND FY 2013 CASH FLOW** Continuing **TOTAL PROJECT CASH FLOW** Continuing



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
525 Taylor Street

PROJECT TITLE/PROJECT NUMBER

COLLEGE HILL WATER FILTRATION PLANT: NEW WAREHOUSE and HEAVY EQUIPMENT STORAGE

PROJECT TYPE

New

DEPARTMENT PRIORITY

Project supports essential services
Project contributes to generation of new revenue



PROJECT DESCRIPTION

Construction of a new warehouse and vehicle/ heavy equipment storage facility located in the rear portion of the College Hill Water Filtration Plant site. Current warehouse is small and it is difficult to control access and inventory control. New space is also needed for covered storage for department vehicles and heavy equipment storage.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Scott Parkins, Utility Engineer

PROJECT START DATE Q4 FY 2008
PROJECT COMPLETION DATE Q4 FY 2009

COMPLETION SCHEDULE

Activity	Complete - Quarter
Construction	Q4 FY 2009

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
Slight increase in electrical costs due to new building.

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Construction	250,000	0	0	0	0	\$250,000
TOTAL	\$250,000	\$0	\$0	\$0	\$0	\$250,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	750,000	0	0	0	0	\$750,000
TOTAL	\$750,000	\$0	\$0	\$0	\$0	\$750,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$0	\$750,000	\$0	\$750,000



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Cornerstone Development Greenview Drive

PROJECT TITLE/PROJECT NUMBER
CORNERSTONE DEVELOPMENT

PROJECT TYPE
New

DEPARTMENT PRIORITY
Project represents additional essential services
Project contributes to generation of new revenue

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN:
Sewer Capital Projects Fund
City Capital Projects Fund



PROJECT DESCRIPTION

A Traditional Neighborhood Development the City has agreed to reimburse the developer for portions of the infrastructure cost to become public.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 7, Page 7.7, Goal 2: Coordinate existing efforts regarding business development, encouragement of entrepreneurship.

PROJECT MANAGER(S)
Lee Newland, Director of Engineering

PROJECT START DATE Q1 FY 2008
PROJECT COMPLETION DATE Q4 FY 2009

COMPLETION SCHEDULE

Activity	Complete - Quarter
City Engineering Service Charges	Q4 FY 2009
Construction	Q4 FY 2009

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
Will increase maintenance on public infrastructure.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
City Engineering Service Charges	15,000	0	0	0	0	\$15,000
Construction	185,000	0	0	0	0	\$185,000
TOTAL	\$200,000	\$0	\$0	\$0	\$0	\$200,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: Pay-As-You-Go	200,000	0	0	0	0	\$200,000
TOTAL	\$200,000	\$0	\$0	\$0	\$0	\$200,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07 \$400,000 **FY 2009-2013 CASH FLOW** \$200,000 **BEYOND FY 2013 CASH FLOW** \$0 **TOTAL PROJECT CASH FLOW** \$600,000



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Pedlar Reservoir, Amherst Co. VA.

PROJECT TITLE/PROJECT NUMBER
DAM SAFETY / UPGRADE STUDY

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project has legal or regulatory mandate
Project supports essential services



PROJECT DESCRIPTION

New requirements under the Virginia Impounding Structures Regulations, may require Dam owners to update existing Dam safety plans. Pedlar Dam, Abert Water Plant sludge lagoon dams and possibly more structures, fall under these regulations. Proposed criteria may require the City to complete a comprehensive engineering study of safety criteria and implement subsequent capital improvements to the Dams to meet the Regulations. In addition, a lake bottom survey will be required to check silt build-up behind the dam.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Public Utilities, Page 15.7, Goal 1, Objective 1.B: Protect the Pedlar Reservoir as the primary source of drinking water for the citizens of Lynchburg.

PROJECT MANAGER(S)
Timothy Mitchell, Director of Utilities

PROJECT START DATE Q1 FY 2009
PROJECT COMPLETION DATE Q4 FY 2014

COMPLETION SCHEDULE

Activity	Complete - Quarter
Consultant Engineering	Q3 FY 2009
Construction	Q4 FY 2014

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
Unknown at this time.

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Consultant Engineering	400,000	0	0	0	0	\$400,000
Construction	0	0	0	6,000,000	0	\$6,000,000
TOTAL	\$400,000	\$0	\$0	\$6,000,000	\$0	\$6,400,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	400,000	0	0	1,000,000	2,500,000	\$3,900,000
TOTAL	\$400,000	\$0	\$0	\$1,000,000	\$2,500,000	\$3,900,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07 \$0 **FY 2009-2013 CASH FLOW** \$3,900,000 **BEYOND FY 2013 CASH FLOW** \$2,500,000 **TOTAL PROJECT CASH FLOW** \$6,400,000



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER
DISTRIBUTION SYSTEM IMPROVEMENTS

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project supports essential services



PROJECT DESCRIPTION

Water distribution system improvements to upgrade and replace an aging water infrastructure, at various locations throughout the City.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.8, Goal 1 Objective 1.E 4): Implement, to the maximum extent feasible, the Water System Master Plan update recommendations for the long-term maintenance of water supply and transmission capacity.

PROJECT MANAGER(S)
Scott Parkins, Utility Engineer

PROJECT START DATE Continuing
PROJECT COMPLETION DATE Continuing

COMPLETION SCHEDULE

Activity	Complete - Quarter
City Engineering Service Charges	na
Consultant Engineering	na
Construction	na

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):

Lessens the impact on overall water operating budget for repairs and line breaks.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
City Engineering Service Charges	20,000	20,000	20,000	20,000	20,000	\$100,000
Consultant Engineering	75,000	75,000	75,000	75,000	75,000	\$375,000
Construction	2,405,000	2,905,000	3,405,000	3,905,000	4,405,000	\$17,025,000
TOTAL	\$2,500,000	\$3,000,000	\$3,500,000	\$4,000,000	\$4,500,000	\$17,500,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	1,743,050	2,750,000	3,250,000	3,750,000	4,250,000	\$15,743,050
TOTAL	\$1,743,050	\$2,750,000	\$3,250,000	\$3,750,000	\$4,250,000	\$15,743,050

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%) :

LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07 Continuing FY 2009-2013 CASH FLOW \$15,743,050 BEYOND FY 2013 CASH FLOW Continuing TOTAL PROJECT CASH FLOW Continuing



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Florida Avenue

PROJECT TITLE/PROJECT NUMBER
FLORIDA AVENUE WATER PUMP STATION

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project supports essential services



PROJECT DESCRIPTION

Increasing water demands in the 1005 pressure zone, necessitate the construction of a new water pumping station located in the general area of Florida Avenue and Campbell Avenue.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.8, Goal 1 Objective 1.E 4): Implement, to the maximum extent feasible, the Water System Master Plan update recommendations for the long-term maintenance of water supply and transmission capacity.

PROJECT MANAGER(S)
Scott Parkins, Utility Engineer

PROJECT START DATE Q1 FY 2013
PROJECT COMPLETION DATE Q4 FY 2013

COMPLETION SCHEDULE

Activity	Complete - Quarter
Land Acquisition/Right-of-Way	Q4 FY 2013
Consultant Engineering	Q4 FY 2013

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
Increase in power usage.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Land Acquisition/Right-of-Way	0	0	0	0	50,000	\$50,000
Consultant Engineering	0	0	0	0	125,000	\$125,000
TOTAL	\$0	\$0	\$0	\$0	\$175,000	\$175,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	0	0	0	0	175,000	\$175,000
TOTAL	\$0	\$0	\$0	\$0	\$175,000	\$175,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%) : LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$0	\$175,000	\$2,000,000	\$2,175,000



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Pedlar Reservoir, Amherst County, VA

PROJECT TITLE/PROJECT NUMBER
PEDLAR DAM REPAIRS

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project supports essential services



PROJECT DESCRIPTION

Dam inspections have revealed deterioration of the walkway, parapets, downstream face, gatehouse roof and spillway. Repairs will consist of removing deteriorated concrete and repairing using special concrete restoration products and methods.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Public Utilities Page 15.7, Goal 1, Objective 1.B: Protect the Pedlar Reservoir as the primary source of drinking water for the citizens of Lynchburg.

PROJECT MANAGER(S)
Scott Parkins, Utility Engineer

PROJECT START DATE Q1 FY 2009
PROJECT COMPLETION DATE Q2 FY 2010

COMPLETION SCHEDULE

Activity	Complete - Quarter
Consultant Engineering	Q4 FY 2009
Construction	Q2 FY 2010

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
None.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Consultant Engineering	50,000	12,000	0	0	0	\$62,000
Contact Administration (Contractual)	0	34,000	0	0	0	\$34,000
Construction		304,000	0	0	0	\$304,000
TOTAL	\$50,000	\$350,000	\$0	\$0	\$0	\$400,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	50,000	350,000	0	0	0	\$400,000
TOTAL	\$50,000	\$350,000	\$0	\$0	\$0	\$400,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$0	\$400,000	\$0	\$400,000



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER
PEDLAR GRAVITY LINE REPLACEMENT

PROJECT TYPE
New

DEPARTMENT PRIORITY
Project supports essential services



PROJECT DESCRIPTION

Dam inspections have revealed deterioration of the walkway, parapets, downstream face, gatehouse roof and spillway. Repairs will consist of removing deteriorated concrete and repairing using special concrete restoration products and methods.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.8, Goal 1 Objective 1.E.4: Implement, to the maximum extent feasible, the Water System Master Plan update recommendations for the long-term maintenance of water supply and transmission capacity.

PROJECT MANAGER(S)
Greg Poff, Asst. Director of Utilities

PROJECT START DATE Q1 FY 2009
PROJECT COMPLETION DATE Q2 FY 2010

COMPLETION SCHEDULE

Activity	Complete - Quarter
Consultant Engineering	Q2 FY 2010

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
None.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Consultant Engineering	500,000	0	0	0	0	\$500,000
TOTAL	\$500,000	\$0	\$0	\$0	\$0	\$500,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	250,000	250,000	0	0	0	\$500,000
TOTAL	\$250,000	\$250,000	\$0	\$0	\$0	\$500,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL = 100% STATE = 0% FEDERAL = 0% OTHER = 0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$0	\$500,000	\$0	\$500,000



SERVICE AREA
Water Fund

DEPARTMENT
Utilities

LOCATION
525 Taylor Street

PROJECT TITLE/PROJECT NUMBER
UTILITY DEPARTMENT OFFICE RELOCATION

PROJECT TYPE
New

DEPARTMENT PRIORITY
Project supports essential services

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN:
Sewer Capital Projects Fund



PROJECT DESCRIPTION

Existing office space located in the College Hill Water Plant is inadequate for the Utilities Department administrative and professional staff. Project will renovate the old Filter/Warehouse Building to include HVAC, life and safety code requirements, fire, electrical and other professional office space improvements.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1: Provide the citizens of Lynchburg with dependable, modern, high quality water and sanitary sewer service with sufficient system capacity to meet the City's long-term requirements.

PROJECT MANAGER(S)
Greg Poff, Asst. Director of Utilities

PROJECT START DATE Q1 FY 2009
PROJECT COMPLETION DATE Q4 FY 2010

COMPLETION SCHEDULE

Activity	Complete - Quarter
Architectural Services (Contractual)	Q3 FY 2009
Construction	Q4 FY 2010

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
Slight increase in power usage.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Architectural Services (Contractual)	50,000	0	0	0	0	\$50,000
Construction	425,000	0	0	0	0	\$425,000
TOTAL	\$475,000	\$0	\$0	\$0	\$0	\$475,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	238,000	237,000	0	0	0	\$475,000
TOTAL	\$238,000	\$237,000	\$0	\$0	\$0	\$475,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%):

LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$0	\$475,000	\$0	\$475,000



SERVICE AREA
Water Fund

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER
WATER FACILITIES IMPROVEMENTS

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project supports essential services



PROJECT DESCRIPTION

General repairs, replacement or renovation to major water treatment process equipment or structures located on thirteen separate sites. This funding is set aside for unanticipated expenditures for major capital equipment replacement as failures occur to maintain compliance with regulatory requirements. Also included are security improvements including replacement and installation of improved camera surveillance; access controls; controlled access gates; security fencing and area lighting.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Greg Poff, Asst. Director of Utilities

PROJECT START DATE Q1 FY 2008
PROJECT COMPLETION DATE Q4 FY 2010

COMPLETION SCHEDULE

Activity	Complete - Quarter
Construction	Q4 FY 2010

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):

Slight increase in operating budget for long term maintenance.

FIVE YEAR PROPOSED PROJECT **APPROPRIATION** BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Construction	250,000	250,000	0	0	0	\$500,000
TOTAL	\$250,000	\$250,000	\$0	\$0	\$0	\$500,000

FIVE YEAR PROPOSED PROJECT **EXPENDITURE CASH FLOW PROJECTIONS** BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	0	250,000	125,000			\$375,000
Local: Pay-As-You-Go	125,000	0	0	0	0	\$125,000
TOTAL	\$125,000	\$250,000	\$125,000	\$0	\$0	\$500,000

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07	FY 2009-2013 CASH FLOW	BEYOND FY 2013 CASH FLOW	TOTAL PROJECT CASH FLOW
\$250,000	\$500,000	\$0	\$750,000



SERVICE AREA
Water Fund

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER

WATER MAIN REPLACEMENT - COMBINED SEWER OVERFLOW (CSO)

PROJECT TYPE

New

DEPARTMENT PRIORITY

Project supports essential services

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN:

Sewer Capital Projects Fund



PROJECT DESCRIPTION

Replacement of existing small water lines (1", 1-1/2", 2" and 4") located throughout the combined sewer area of the City with 8-inch diameter water main lines. Replacement is in conjunction with construction of CSO projects.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1.Objective 1.A.2: Continue the replacement of small diameter residential mains coordinated with CSO projects, while addressing new development needs and customer complaints.

PROJECT MANAGER(S)

Jeff Scarano, CSO Program Manager

PROJECT START DATE

Continuing

PROJECT COMPLETION DATE

Continuing

COMPLETION SCHEDULE

Activity	Complete - Quarter
City Engineering Service Charges	Q1 - Q2 FY 2009 - FY 2013
Consultant Engineering	Q1 - Q2 FY 2009 - FY 2013
Construction	Q1 - Q2 FY 2009 - FY 2013
Contingency	Q1 - Q2 FY 2009 - FY 2013

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):

Lessens the impact on overall water operating budget for repairs and line breakages.

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
City Engineering Service Charges	30,000	30,000	30,000	30,000	30,000	\$150,000
Consultant Engineering	30,000	30,000	30,000	30,000	30,000	\$150,000
Construction	780,000	780,000	780,000	805,000	830,000	\$3,975,000
Contingency	60,000	60,000	60,000	60,000	60,000	\$300,000
TOTAL	\$900,000	\$900,000	\$900,000	\$925,000	\$950,000	\$4,575,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	1,447,669	900,000	900,000	925,000	950,000	\$5,122,669
Local: Pay-As-You-Go	0	0	0	0	0	\$0
TOTAL	\$1,447,669	\$900,000	\$900,000	\$925,000	\$950,000	\$5,122,669

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%):

LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07
Continuing

FY 2009-2013 CASH FLOW
\$5,122,669

BEYOND FY 2013 CASH FLOW
Continuing

TOTAL PROJECT CASH FLOW
Continuing



SERVICE AREA
Water

DEPARTMENT
Utilities

LOCATION
Various

PROJECT TITLE/PROJECT NUMBER
WATER TANK REHABILITATION

PROJECT TYPE
New

DEPARTMENT PRIORITY

Project has legal or regulatory mandate
Project supports essential services



PROJECT DESCRIPTION

A long-term maintenance program has been developed. Scheduled tanks are: College Hill 4.5 MG FY 2009; College Hill 1.4 MG and Huntingwood FY 2010; and Candler's Mountain 1 and 2 FY 2011; Leesville Road 3 MG FY 2012; College Hill 10.5 MG; FY 2013. This project is necessary to maintain compliance with Water Quality Standards.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Scott Parkins, Utility Engineer

PROJECT START DATE Continuing
PROJECT COMPLETION DATE Continuing

COMPLETION SCHEDULE

Activity	Complete - Quarter
Consultant Engineering	Q1 - Q2 FY 2009 - FY 2013
Contact Administration (Contractual)	Q1 - Q2 FY 2009 - FY 2013
Inspections (Contractual)	Q1 - Q2 FY 2009 - FY 2013
Construction	Q1 - Q2 FY 2009 - FY 2013
Contingency	Q1 - Q2 FY 2009 - FY 2013

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES & PROJECTED STAFFING REQUIREMENTS):
None.

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Estimate
Consultant Engineering	61,000	14,000	18,000	20,000	0	\$113,000
Contact Administration (Contractual)	12,000	2,000	2,000	3,000	10,000	\$29,000
Inspections (Contractual)	82,000	12,000	11,000	15,000	15,000	\$135,000
Construction	842,000	130,000	126,000	141,000	175,000	\$1,414,000
Contingency	100,000	16,000	16,000	20,000	0	\$152,000
TOTAL	\$1,097,000	\$174,000	\$173,000	\$199,000	\$200,000	\$1,843,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Program Period Total
Local: G.O. Bond	344,800	24,000	23,000	74,000	100,000	\$565,800
Local: Pay-As-You-Go	811,765	150,000	150,000	125,000	100,000	\$1,336,765
TOTAL	\$1,156,565	\$174,000	\$173,000	\$199,000	\$200,000	\$1,902,565

SOURCES OF PROJECT FUNDING FY 2009 - 2013 (%): LOCAL =100% STATE = 0% FEDERAL = 0% OTHER =0%

TOTAL PRIOR FUNDING THROUGH 8/31/07 Continuing **FY 2009-2013 CASH FLOW** \$1,902,565 **BEYOND FY 2013 CASH FLOW** Continuing **TOTAL PROJECT CASH FLOW** Continuing