

CAPITAL INVESTMENTS PLAN

THE FOLLOWING SUBSECTIONS ARE INCLUDED:

INTRODUCTION

IMPACT ON OPERATING BUDGET

REVENUE SOURCES AND FUNDS

TOTAL CITY SUMMARY

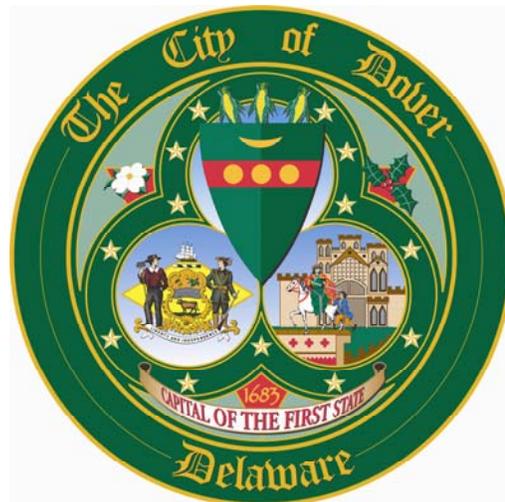
PROJECT DEVELOPMENT

GENERAL

WATER/WASTEWATER

ELECTRIC

VEHICLE REPLACEMENTS



CAPITAL INVESTMENTS PLAN

INTRODUCTION

The 2008-2012 CIP plays a key role in the City of Dover where an aging infrastructure and a growing community demanding expansion exist. This CIP reflects the City's commitment to orderly expansion, staying current with technology, improving infrastructure, and planning for our future. The CIP proposes spending \$114 million over the next five years.

The CIP reflects the emphasis we gave over the last four fiscal years to strategic planning. In a series of meetings with Council, department heads, and other City employees, we have developed a vision, mission, and critical success factors for the City over the next two years. We want to be a clean and safe community with a future of balanced growth and opportunity where all citizens are heard, enjoy a high quality of life, and diversity is valued. We believe this CIP supports that by providing improvements to our parks and recreational facilities; supporting our police and fire services; and maintaining our streets and infrastructure. Copies of the strategic plan may be obtained from the City Manager's office.

The 2008 CIP totals \$27.4 million, an increase of approximately \$15.6 million over the 2007 CIP. The 2008 CIP also contains proposed vehicle/equipment purchases of \$1.6 million. The increase is due to increased capital projects in Electric and Water/Wastewater.

Electric capital projects total \$17.9 million in Fiscal Year 2008 versus \$5.4 million in Fiscal Year 2007, a \$12.5 million difference. The 69 KV Feeders 3 and 4 (\$9 million), College Road Distribution Substation (\$2.4 million) and the Governors Avenue Rebuild (\$2.1 million) projects account for most of the difference.

Water/Wastewater capital projects total \$3.3 million for Fiscal Year 2008, an increase of \$2.5 million over Fiscal Year 2007. The increase can be attributed to returning to a more normal project schedule for Fiscal Year 2008, emphasis on water quality improvements (\$915,000), and replacing and upgrading two sewer pumping stations (\$565,000). Fewer projects were planned in Fiscal Year 2007 as the department was experiencing reorganization and changes in personnel.

General Fund projects in the CIP include the annual Street and Alley Program; construction of the John W. Pitts Recreation Center; purchase of communications equipment and radios for the Fire Department; upgrade and replacement of an inner city fiber optic loop; expansion of online services; and dredging of Mirror Lake.

In the Water/Wastewater Fund, projects include continuation of the meter reading technology upgrade; work on improving water quality and inflow infiltration; South Governors Avenue water and sewer main improvements and upgrades; and replacement and upgrades to Lafferty Lane and Dover East pumping stations.

Electric projects include improvement to Governors Avenue; relocation; replacement of the transformer at Lebanon Substation; continuation of the 69 KV Feeders 3 and 4 project; redesigning the College Road substation for more efficient operation; continuation of a Radio Read Meter Change Out Program; and continuation of New Development/Upgrade projects.

The 69 KV Feeders 3 and 4 will install feeders from Cartanza Substation to the existing 69 KV loop and will be built in phases. Land acquisition and design specification began in Fiscal Year 2006 with major work and expense occurring from Fiscal Year 2008 through Fiscal Year 2011. This project will insure reliability to our customers. The Governors Avenue Rebuild project is part of a DelDOT road improvement project. All utility poles and wires will be replaced with underground equipment. This project will be partly reimbursed by the State.

Vehicular purchases for 2008 are budgeted at \$1,625,609. Major vehicular purchases include nine Police Department vehicles and two motorcycles; an aerial truck for Grounds; four Sanitation trash trucks; and a dump truck for the Streets Division.

DEFINITION

The Capital Investments Plan (CIP) is strictly a planning document designed to coordinate and communicate the City's capital requirements for the next five years. It should be utilized as a guide, not a final commitment. Funding is committed only when City Council approves the project or equipment purchase in an operating budget.

The City prepares a five-year CIP annually. This is in accordance with financial policies. This method provides for the orderly maintenance, replacement, and expansion of the City's capital assets.

With the CIP, emphasis and importance was placed on the process in order to provide a more orderly and comprehensive plan. Departments were encouraged to include all possible projects for consideration. Each request was reviewed in-depth and discussed in terms of priority and feasibility. The draft CIP was reviewed by Council during the budget review process in May. This approach allows for fewer revisions.

A schedule called "2008 CIP by Revenue Sources and Funds" is provided on Pages 128 and 129. This schedule provides a comparison of the Fiscal Year 2007 capital budget to the proposed Fiscal Year 2008 CIP.

All vehicles requested for replacement were inspected by Fleet Maintenance staff. Each vehicle's brake system, fuel system, suspension, steering mechanism, coupling devices, and operating systems were checked for condition and rated good, fair, or poor. Repair estimates were also included if any of the vehicle systems required maintenance. Any vehicles with a rating of good or fair were not replaced.

CRITERIA

Capital outlays are major projects undertaken by the City that generally fit within one or more of the following categories:

- All projects requiring debt obligation or borrowing
- Any acquisition or lease of land
- Purchase of major equipment and vehicles ordered in excess of \$25,000 with a life expectancy of five years or more
- Construction of new buildings or facilities including engineering, design, and other pre-construction costs with an estimated cost in excess of \$25,000
- Major building improvements that are not routine expenses and that substantially enhance the value of a structure
- Major equipment or furnishings required to furnish new buildings or other projects
- Major projects that are generally not recurring on a "year in, year out" basis
- Projects costing more than \$1,000 but less than \$25,000 are included with the operating budget (minor capital).

CAPITAL INVESTMENTS PLAN'S IMPACT ON OPERATING BUDGET

An important consideration in any CIP is its impact on the operating budget. The Fiscal Year 2008 capital budget is funded primarily from operating funds (\$8.2 million), reserve funds (\$7.1 million) and bonds (\$10.2 million) totaling \$25.5 million. Please refer to the table on the following page for projections of impact to operating budgets over the next five years by project. Because some capital investments are funded from general obligation and revenue bonds, the greatest impact on the operating budget is payment of debt service. The debt service for Fiscal Year 2008 is approximately \$4 million. In addition, completed projects may have operational costs such as maintenance, utilities, and manpower. In some cases, operational efficiencies result from capital projects that decrease costs in the operating budget. In the Capital Investments Plan description section, operation costs (savings) are shown for each project by year under "Impact on Operating Budget." A section, "Explanation of Impact on Operating Budget", is included to discuss and clarify what the impact of the project is anticipated to be. A summary of each project's "Impact on Operating Budget" follows in the next table.

Impact on Operating Budget for CIP 2008-2012

Project Begins	Project Name	2008	2009	2010	2011	2012
2008	1.0 MG Elevated Water Storage Tower		414,160	414,160	414,160	414,160
2008	69 KV Feeders 3 and 4	802,000	1,475,000	1,475,000	1,475,000	1,475,000
2008	Citywide Document Imaging System	6,500	6,500	6,500	6,500	6,500
2008	Fire Investigations Unit	500	500	500	500	500
2008	GPS Tracking of City Fleet		2,000	29,000	56,000	56,000
2008	Implement Citywide Fleet Management System		5,400	5,400	5,400	5,400
2008	Itron Mobile Collection System	4,692	5,100	5,508	5,916	6,442
2008	John W. Pitts Recreation Center	200,000	286,855	295,460	304,324	319,540
2008	Playground Equipment Purchase Program	300	300	300	300	300
2008	Replace iSeries System		15,000	15,000	15,000	15,000
2008	Replacement Library				168,144	173,225
2008	U.S. Rt. 13 East Sanitary Sewer Interceptor		129,180	129,180	129,180	129,180
2009	Citywide Security System			2,500	2,500	2,500
2009	St Jones Substation		36,130	36,130	36,130	36,130
2009	Training Laptops		800	800	800	800
2010	10K Forklift				500	500
2010	Skate Park			10,000	103,000	10,809
2010	Walker Road Water Main Upgrade			212,270	212,270	212,270
2011	Legislative Avenue Water Main Upgrade				59,300	59,300
2011	McKee Run Tank Water Main Upgrade				82,490	82,490
2011	Splash Pad at Schutte Park		10,000	20,000	20,000	20,000
2011	U.S. Rt. 13 Water Main Improvements				255,800	255,800
	Total Impact on Operating Budget	\$1,013,992	\$2,386,925	\$2,657,708	\$3,353,214	\$3,281,846

**2008 CIP BY REVENUE SOURCE AND FUNDS
PREPARED AS OF AUGUST 10, 2007**

PROJECT	General Fund	Community Trans Fund	Water/Wastewater Fund	Electric I&E Fund	Electric Deprec. Reserve Fund	Electric Bond	State Grant	Other	Parkland Fund	Impact Fee Reserve	State Reimb.	Homeland Security Grant	TOTALS
Replacement Library							600,000	600,000					1,200,000
PROJECT DEVELOPMENT TOTAL							600,000	600,000					1,200,000
CAVA (Orion) System Upgrade	45,000												45,000
Carpet Replacement	15,300												15,300
Annual Contribution to Robbins Hose Company	197,910												197,910
Concrete Construction & Replacement Program	65,000												65,000
Exhaust Extraction System	25,000												25,000
Fire Investigations Unit/Mobile Office #14	40,000											30,000	70,000
Fire Suppression System in IT	27,000												27,000
GPS Tracking of City Fleet	20,000												20,000
Implement Citywide Document Imaging System	80,000												80,000
Implement Citywide Fleet Management System	41,400												41,400
Implement Citywide Expansion of Online Services	100,000												100,000
Iron Mobile Collection System			5,648	28,241									33,889
John W. Pitts Recreation Center									1,987,200				1,987,200
Minor Lake Dredging							400,000						400,000
Park and Playground Improvement Program	30,000												30,000
Phone System Upgrade	55,000												55,000
Playground Equipment Purchase Program	20,000						20,000						40,000
Police Station Front Steps	65,000												65,000
Real Alert Dispatching System Upgrade	30,000												30,000
Replace Series System	40,000												40,000
Schulte Park Land - Improvements								100,000					100,000
Space Needs Study Implementation	87,800												87,800
Street and Alley Program	350,000	1,000,000											1,350,000
Upgrade/Replacement of Inner City Fiber Optic Loop	122,000												122,000
GENERAL FUND TOTAL						9,077,500	600,000	600,000					5,027,499
69 KV Feeders 3 and 4					1,362,500	1,072,500							9,077,500
College Road Distribution Substation				225,000	300,000								2,435,000
Distribution Capacitors													225,000
Distribution Upgrades				545,000									300,000
Electric Ratio Read Meter Change-Out				490,000	867,942						710,318		545,000
Governors Avenue Rebuild					325,000								2,068,260
Horsepond 600 Transformer					637,950								325,000
Lebanon Transformer				100,000									637,950
Lighting Project and Rehabilitation					65,000								100,000
Mayfair Substation - 69KV/12KV				300,000									65,000
McKee Run Fuel Oil Tank Inspection				50,000									300,000
McKee Run Fire Protection System Upgrades				1,015,000									50,000
New Developments													1,015,000
Replacement of 69 KV Breakers					183,000								183,000
Transmission Relaying, Replacement, and Calibrations					520,000								520,000
VanSant COMS Replacement					27,000								27,000
ELECTRIC TOTAL													17,873,710

**2008 CIP BY REVENUE SOURCE AND FUNDS
PREPARED AS OF AUGUST 6, 2007**

PROJECT	General Fund	Community Trans. Fund	Water/Wastewater Fund	Electric I&E Fund	Electric Deprec. Reserve Fund	Electric Bond/Operating Fund	State Grant	Other	Parkland Fund	Impact Fee Reserve	State Reimb.	Homeland Security Grant	TOTALS
1.0 MG Elevated Water Storage Tower			55,000										55,000
2nd Meter Reading Tech Upgrade (WW)			183,150										183,150
Dover East Pumping Station & Force Main Replacement										335,000			335,000
Emergency Generators (Wells)			100,000									140,000	140,000
Inflow/Infiltration Removal			100,000										100,000
Laferty Lane Package Pump Station			183,150							130,000			230,000
Replacement & Upgrade													183,150
Meter Reading Technology Upgrade			55,000										55,000
Miscellaneous Distribution System Improvements			30,000										30,000
Miscellaneous Sewer System Improvements			10,000										10,000
Piney Point Well			139,700										139,700
Remote Control and Monitor Wells			74,000										74,000
SCADA Equipment Technology Upgrade			72,500										72,500
Scarborough Road Interconnection (Tidewater Utilities)													300,000
South Governors Avenue Sewer Main Upgrade			200,000							300,000			300,000
South Governors Avenue Water Main Upgrade													200,000
U.S. Rt. 13 East Sanitary Sewer Interceptor			915,000							85,000			85,000
Water Quality Improvements			45,000										915,000
Wellhead Redevelopment Program			122,000										45,000
Wellhead VFD Upgrades			66,000										122,000
White Oak Farms Pumping Station VFDs													66,000
WATER/WASTEWATER TOTAL	1,456,410	1,000,000	2,356,148	2,753,241	4,288,392	10,150,000	1,020,000	700,000	1,987,200	850,000	710,318	170,000	3,340,500
TOTALS													27,441,709

TOTAL CITY SUMMARY**EXPENDITURES**

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Project Development	132	18,300,000	1,200,000	8,372,000	8,728,000		
General	135	21,213,577	5,027,499	3,352,086	3,400,584	3,158,491	6,274,917
Water/Wastewater	173	30,664,250	3,340,500	7,789,450	6,656,200	7,332,600	5,545,500
Electric	223	43,736,160	17,873,710	5,976,950	6,386,100	7,376,400	6,123,000
TOTAL		113,913,987	27,441,709	25,490,486	25,170,884	17,867,491	17,943,417

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Bond	2,200,000		2,200,000			
General Fund	13,547,488	1,456,410	2,417,086	2,340,584	2,058,491	5,274,917
Community Transportation Fund	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water/Wastewater Fund	16,997,898	2,356,148	3,642,650	3,495,900	4,555,400	2,947,800
Bond Financing	12,529,500		3,589,300	3,565,300	2,777,200	2,597,700
Electric I and E Fund	19,561,191	2,753,241	1,696,450	5,248,100	4,228,400	5,635,000
Electric Depreciation Reserve Fund	6,925,392	4,288,392	1,178,000	483,000	488,000	488,000
Electric Bond	15,570,000	10,150,000	2,660,000	100,000	2,660,000	
Community Development Block Grant	35,000		35,000			
State Grant	9,180,000	1,020,000	4,000,000	4,060,000	100,000	
Other	7,500,000	700,000	2,072,000	4,728,000		
Parkland Fund	1,987,200	1,987,200				
Impact Fee Reserve	1,850,000	850,000	1,000,000			
State Reimbursement	710,318	710,318				
Homeland Security Grant	320,000	170,000		150,000		
TOTAL	113,913,987	27,441,709	25,490,486	25,170,884	17,867,491	17,943,417

TOTAL CITY SUMMARY with Vehicles Included

EXPENDITURES

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Project Development	132	18,300,000	1,200,000	8,372,000	8,728,000		
General	135	21,213,577	5,027,499	3,352,086	3,400,584	3,158,491	6,274,917
Water/Wastewater	173	30,664,250	3,340,500	7,789,450	6,656,200	7,332,600	5,545,500
Electric	223	43,736,160	17,873,710	5,976,950	6,386,100	7,376,400	6,123,000
Subtotal		113,913,987	27,441,709	25,490,486	25,170,884	17,867,491	17,943,417
Vehicles	248	7,431,270	1,625,609	2,643,020	1,834,351	940,438	387,852
TOTAL		121,345,257	29,067,318	28,113,506	27,005,235	18,807,929	18,331,269

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Bond	2,200,000		2,200,000			
General Fund	19,024,592	2,525,643	4,538,056	3,428,185	2,871,934	5,662,769
Community Transportation Fund	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water/Wastewater Fund	18,667,064	2,849,524	3,961,200	4,244,645	4,663,895	2,947,800
Bond Financing	11,532,000		3,146,800	3,010,300	2,777,200	2,597,700
Electric I and E Fund	19,846,191	2,816,241	1,899,950	5,248,100	4,246,900	5,635,000
Electric Depreciation Reserve Fund	6,925,392	4,288,392	1,178,000	483,000	488,000	488,000
Electric Bond	16,567,500	10,150,000	3,102,500	655,000	2,660,000	
Community Development Block Grant	35,000		35,000			
State Grant	9,180,000	1,020,000	4,000,000	4,060,000	100,000	
Other	7,500,000	700,000	2,072,000	4,728,000		
Parkland Fund	1,987,200	1,987,200				
Impact Fee Reserve	1,850,000	850,000	1,000,000			
State Reimbursement	710,318	710,318				
Homeland Security Grant	320,000	170,000		150,000		
TOTAL	121,345,257	29,067,318	28,133,506	27,005,235	18,807,929	18,331,269

PROJECT DEVELOPMENT

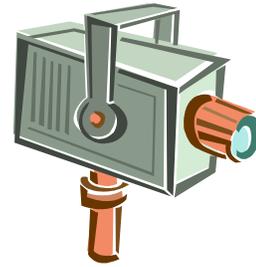
EXPENDITURES

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Central Services							
Citywide Security System for Buildings and Land	133	100,000		100,000			
Subtotal		100,000		100,000			
Library							
Replacement Library	134	18,200,000	1,200,000	8,272,000	8,728,000		
TOTAL		18,300,000	1,200,000	8,372,000	8,728,000		

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Bond	2,200,000		2,200,000			
General Fund	100,000		100,000			
State Grant	8,600,000	600,000	4,000,000	4,000,000		
Other	7,400,000	600,000	2,072,000	4,728,000		
TOTAL	18,300,000	1,200,000	8,372,000	8,728,000		

Citywide Security System for Buildings and Land



FISCAL YEAR: 2009
PROJECT NO:
CATEGORY: Project Development
DEPARTMENT: Central Services
DEPT. RANKING: 4
NEW PROJECT: Yes

PROJECT DESCRIPTION: This project requires the creation of a security plan for each City building and tract of land. Once this is accomplished, an RFP will be developed and bid.

NEED, JUSTIFICATION, BENEFIT: The implementation of an Electronic Access Control System will moderate the flow of people and vehicles in and out of secured areas,

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: City facilities and land will remain unsecured.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET: This purchase is forecasted to cost an additional \$2,500 per year in maintenance charges.

TIME-LINE/CURRENT STATUS: To be determined by the Information Technology Department

COMMENTS: This project has been conceived and developed by the Information Technology Department. The necessity to develop requirements, create an RFP, and select a vendor requires a knowledge level that exceeds that possessed by the Central Services Department.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous			100,000					100,000
Other								
TOTAL			100,000					100,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund			100,000					100,000
TOTAL			100,000					100,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Annual Maintenance				2,500	2,500	2,500	2,500	10,000

Replacement Library

FISCAL YEAR(S): 2008 - 2010

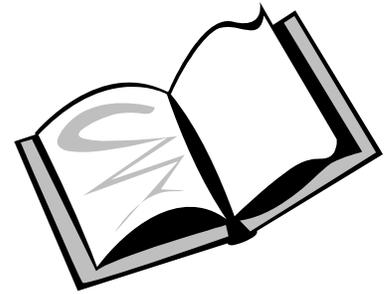
PROJECT NO:

CATEGORY: Project Development

DEPARTMENT: Library

DEPT. RANKING: 1

NEW PROJECT: Yes



PROJECT DESCRIPTION: The Dover Public Library is insufficient due to its small size, and it needs to be replaced with a new 50,000 square foot building in the downtown Dover area. The new library will be able to house a sufficient collection of print and electronic resources, including several public access computers.

NEED, JUSTIFICATION, BENEFIT: In 2004, library facilities planners Robert H. Rohlf Associates conducted a library facilities plan and recommended that the City of Dover build a 39,000-50,000 square foot library in the downtown area because the current library is insufficient to meet the needs of citizens. The study concluded that the current library does not provide enough parking, shelving, programming areas, quiet study rooms, or sufficient office space, and that there are ADA issues throughout the building. The study compared the Dover Public Library to libraries in similar-sized communities, and services are lacking in many areas, including collection and reference. The benefit of replacing the current library is that the community will have access to a library with sufficient space for collections and computers, lighting, parking, quiet study areas, and programming space.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Members of the community will continue to be offered very limited library services due to space and other deficiencies in the current location.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Delaware Division of Libraries Statewide Master Plan

EXPLANATION OF IMPACT ON OPERATING BUDGET: A larger library will require more maintenance, increased operational funding for heating and cooling, increased janitorial services, and at least three additional full-time library staff.

TIME-LINE/CURRENT STATUS: The library facilities plan was completed in 2004. Staff is currently exploring financing options, determining possible future site locations, and conducting outreach to the public.

COMMENTS: The DE Division of Libraries has hired library consultants to create a statewide master plan for future public library services. This project must be in line with that plan in order for the City of Dover to receive funds from the state of DE for construction costs.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	20,000	600,000	984,000					1,604,000
Land		600,000						600,000
Construction			7,288,000	7,288,000				14,576,000
Miscellaneous								
Other				1,440,000				1,440,000
TOTAL	20,000	1,200,000	8,272,000	8,728,000				18,220,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
State Grant	10,000	600,000	4,000,000	4,000,000				8,610,000
General Fund	10,000							10,000
Other		600,000	2,072,000	4,728,000				7,400,000
Bond			2,200,000					2,200,000
TOTAL	20,000	1,200,000	8,272,000	8,728,000				18,220,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Increased Expenses	10,000				168,144	173,225		351,369

GENERAL

EXPENDITURES

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Customer Services							
Itron Mobile Collection System	138	33,889	33,889				
Subtotal		33,889	33,889				
Fleet Maintenance							
Exhaust Extraction System	139	25,000	25,000				
Subtotal		25,000	25,000				
Central Services							
Space Needs Study Implementation	140	5,258,205	87,800	412,957	472,224	241,217	4,044,007
10K Forklift	141	25,000			25,000		
Conference Room & Office	142	12,000				12,000	
Upgrade the Optical Mark Recognition (OMR) scanner	143	10,000					10,000
Subtotal		5,305,205	87,800	412,957	497,224	253,217	4,054,007
Facilities Management							
Fire Suppression System in IT	144	27,000	27,000				
Handicapped Accessibility Improvements	145	70,845		70,845			
Subtotal		97,845	27,000	70,845			
Information Technology							
Internet/Intranet Expansion of Online Services	146	100,000	100,000				
Replace iSeries System	147	120,000	40,000	40,000	40,000		
Implement Citywide Document Imaging System	148	80,000	80,000				
Upgrade/Replacement of Inner City Fiber Optic Loop	149	122,000	122,000				
Implement Citywide Fleet Management System	150	41,400	41,400				
GPS Tracking of City Fleet	151	110,000	20,000	45,000	45,000		
Technology Projects per TAC Recommendations	152	1,591,814		515,000	530,450	546,364	
Subtotal		2,165,214	403,400	600,000	615,450	546,364	

EXPENDITURES

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Public Services - Streets							
Street and Alley Program	153	8,450,000	1,350,000	1,700,000	1,750,000	1,800,000	1,850,000
Concrete Construction and Replacement Program	154	375,000	65,000	70,000	75,000	80,000	85,000
Subtotal		8,825,000	1,415,000	1,770,000	1,825,000	1,880,000	1,935,000
Police							
Carpet Replacement	155	15,300	15,300				
Police Station Front Steps	156	65,000	65,000				
Repave Police Station Parking Lots	157	95,200		95,200			
Subtotal		175,500	80,300	95,200			
Public Services - Inspections							
Fire Investigations Unit/Mobile Office #14	158	80,000	70,000	10,000			
Subtotal		80,000	70,000	10,000			
Parks and Recreation							
John W. Pitts Recreation Center	160	1,987,200	1,987,200				
Playground Equipment Purchase Program	161	120,000	40,000	80,000			
Schutte Park Land - Improvements	162	100,000	100,000				
Mirror Lake Dredging	163	400,000	400,000				
Park and Playground Improvement Program	164	159,000	30,000	30,000	30,000	36,000	33,000
Skate Park	165	80,000		10,000	70,000		
Schutte Park Pathway	166	120,000			120,000		
Splash Pad at Schutte Park	167	200,000				200,000	
Subtotal		3,166,200	2,557,200	120,000	220,000	236,000	33,000
Library							
Training Laptops	168	30,174		30,174			
Subtotal		30,174		30,174			
Fire							
Red Alert Dispatching System Upgrade	169	30,000	30,000				
Phone System Upgrade	170	55,000	55,000				
City of Dover Annual Contribution to Robbins Hose Company	171	1,179,550	197,910	242,910	242,910	242,910	252,910
Subtotal		1,264,550	282,910	242,910	242,910	242,910	252,910
Tax Assessor							
CAMA (Orion) System Upgrade	172	45,000	45,000				
Subtotal		45,000	45,000				
TOTAL		21,213,577	5,027,499	3,352,086	3,400,584	3,158,491	6,274,917

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
General Fund	13,447,488	1,456,410	2,317,086	2,340,584	2,058,491	5,274,917
Community Transportation Fund	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water/Wastewater Fund	5,648	5,648				
Electric I and E Fund	28,241	28,241				
Community Development Block Grant	35,000		35,000			
State Grant	580,000	420,000		60,000	100,000	
Other	100,000	100,000				
Parkland Fund	1,987,200	1,987,200				
Homeland Security Grant	30,000	30,000				
TOTAL	21,213,577	5,027,499	3,352,086	3,400,584	3,158,491	6,274,917

Itron Mobile Collection System

FISCAL YEAR: 2008
PROJECT NO.:
CATEGORY: General
DEPARTMENT: Customer Services
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: The portable Mobile Collection System, with GPS Mapping, demonstrates the advances in wireless meter reading technology. This system will maximize operational efficiency, reduce costs, and improve performance. The portable unit is installed and can be transferred between vehicles. Route information is downloaded from the utility billing system and loaded into the radio transceiver. Just by driving along a meter reading route, the system interrogates and receives meter readings from the ERT modules installed on electric and water meters. Data is stored, and completed reads are uploaded to the billing system for bill generation.

NEED, JUSTIFICATION, BENEFIT: Quicker read-to-bill time, increased meter reading productivity, improved accuracy and control, improved customer service, eliminate the need to estimate bills, and reduce high cost and hard-to-read meters. GPS maps track and detect inefficiencies in meter reading routes. Eliminating the need to walk routes protects meter readers from animals, locked gates, obtaining inside reads, and unfavorable weather conditions. The Mobile Collection System has the potential to read 24,000 meters in one day; therefore, additional staff would not be necessary to support the continued growth of the City.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: It is critical to maximize the use of resources and advance with technology. We would have radio meters that are installed throughout the City and are not being used to their intended potential. We would continue to expose meter readers at times to unsafe conditions and weather conditions.

THIS PROJECT IS RELATED TO THE FOLLOWING: Radio Read Meter Change-Out

EXPLANATION OF IMPACT ON OPERATING BUDGET: Estimated annual maintenance fees

TIME-LINE/CURRENT STATUS: Processing of the request for the Iron Mobile Collection System in July 2007. Installation would occur before July 2008.

COMMENTS: We currently use Itron handheld meters; therefore, the mobile system is fully compatible with our current billing system. This system is already used by other municipalities in northern Delaware. It is important that electric and water radio read installation programs be completed or be near completion upon implementation of this system. Confirmed Quote from 02/12/05 still valid is \$30,015 for the system, \$2,070 for mapping, \$104 for freight, and \$1,035 for training. Travel may increase based on air expense. Cost below is based on possible two percent increases per year.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		32,833						32,833
Other		1,056						1,056
TOTAL		33,889						33,889

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund		28,241						28,241
Water/Wastewater Fund		5,648						5,648
TOTAL		33,889						33,889

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Annual Maintenance		4,692	5,100	5,508	5,916	6,442		27,658

Exhaust Extraction System

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Fleet Maintenance
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: Procure and install a vehicle exhaust extraction system in the Fleet Maintenance Garage.

NEED, JUSTIFICATION, BENEFIT: There is no efficient method to extract vehicle exhaust from the garage during maintenance. When vehicles are running during maintenance, the doors must be kept open or the vehicles moved outside to prevent carbon monoxide poisoning of the mechanics.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Possible carbon monoxide poisoning and higher fuel costs to maintain comfortable working environment in the work area. This will abate a safety hazard.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Scheduled to be bid in Fiscal Year 2008/2009.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		25,000						25,000
Other								
TOTAL		25,000						25,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		25,000						25,000
TOTAL		25,000						25,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Space Needs Study Implementation

FISCAL YEAR(S): 2008 - 2011
PROJECT NO: FM701
CATEGORY: General
DEPARTMENT: Central Services
DEPT. RANKING: 2
NEW PROJECT: Yes



PROJECT DESCRIPTION: This is a ten-year plan for all City buildings that will create adequate work space for the City's elected officials and employees in order to provide quality services Dover's citizens. The Facility Space Committee toured all City buildings, interviewed department heads, conducted a needs assessment and proximity matrix, created measured drawings of buildings, and consulted with an architect.

NEED, JUSTIFICATION, BENEFIT: The Study revealed: (1) a lack of space for public meetings and customers, (2) a lack of adequate working space, (3) poor locations, (4) substandard office space, (5) a lack of storage space, and (6) a lack of security.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: We will continue to face all the problems associated with a lack of working space, lack of security, poor locations, and substandard office space.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET: Impact on Operating Budget has yet to be determined.

TIME-LINE/CURRENT STATUS: Project will begin in Fiscal Year 2007 and continue through Fiscal Year 2016.

COMMENTS:

Description	Current Estimate	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Project Total
Move IT to 2nd Floor	18,000	18,900							18,900
Move Finance to 2nd Floor	20,000	20,000							20,000
Move HR to Finance	10,000		10,800						10,800
Build Meeting Room	10,000		22,000						22,000
Public Works Addition	180,000								-
Electric Admin Addition	10,000			198,450					198,450
Parks & Recreation	100,000		55,000	65,000					120,000
Police 2nd Floor	123,000			149,507					149,507
Council Chambers	338,000				431,383				431,383
A/V Communication	32,000				40,841				40,841
Relocate Grounds	180,000					241,217			241,217
City Hall East Wing	2,566,000						3,610,620		3,610,620
City Hall West Wing	4,860,000							7,180,433	7,180,433
Connectors	616,000						433,387		895,830
City Hall	312,000							460,966	460,966
Total	9,375,000	38,900	87,800	412,957	472,224	241,217	4,044,007	8,103,843	13,400,948

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	38,900	87,800	412,957	472,224	241,217	4,044,007	8,103,843	13,400,948
Miscellaneous								
Other								
TOTAL	38,900	87,800	412,957	472,224	241,217	4,044,007	8,103,843	13,400,948

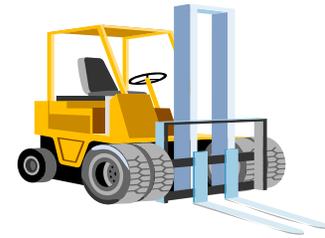
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	38,900	87,800	412,957	472,224	241,217	4,044,007	8,103,843	13,400,948
TOTAL	38,900	87,800	412,957	472,224	241,217	4,044,007	8,103,843	13,400,948

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

10K Forklift



FISCAL YEAR: 2010
PROJECT NO: N/A
CATEGORY: General
DEPARTMENT: Central Services
DEPT. RANKING: 5
NEW PROJECT: Yes

PROJECT DESCRIPTION: This project involves the purchase of a new 10,000 lb. capacity forklift to replace the 1987 6,000 lb. capacity forklift.

NEED, JUSTIFICATION, BENEFIT: The stock levels of three phase transformers have increased due to Electric Department requirements. These transformers can weigh up to 10,000 pounds each. We currently drive the 6,000 lb. forklift to the North Street storage yard and unload what we can. We then request assistance from the Electric Department to unload using a line truck. Ownership of a 10K forklift will allow warehouse staff to manage out-sized and extremely heavy materials. The forklift will also be available for the use of other City departments.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: As the workload of the Electric Department increases, the availability of their crews to help us will diminish.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: This project will include a maintenance program to be funded during the years after purchase.

TIME-LINE/CURRENT STATUS: Project should be bid in spring 2009.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous				25,000				25,000
Other								
TOTAL				25,000				25,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund				25,000				25,000
TOTAL				25,000				25,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Annual Maintenance					500	500	500	1,000

Conference Room & Office

FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: General
DEPARTMENT: Central Services
DEPT. RANKING: 6
NEW PROJECT: Yes



PROJECT DESCRIPTION: Construct conference room and additional office in warehouse 1 at 710 William Street.

NEED, JUSTIFICATION, BENEFIT: There is no conference room available within Central Services to conduct pre-bid meetings, contract negotiations, or conduct other meetings/training.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: All procurement type meetings must be conducted within the department requesting the purchase. All other meetings must be held in the break room at the warehouse. This delays the procurement process and applies unreasonable time constraints caused by scheduling meeting around employees break and meal times.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Material in the warehouse will be relocated in Fiscal Year 2007/2008. Storage bins will be removed in Fiscal Year 2008/2009. Construction materials will be bid in Fiscal Year 2009/2010. Construction will take place after receipt of materials in Fiscal Year 2010/2011.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction					12,000			12,000
Miscellaneous								
Other								
TOTAL					12,000			12,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund					12,000			12,000
TOTAL					12,000			12,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Upgrade the Optical Mark Recognition (OMR) Scanner

FISCAL YEAR(S): 2011 - 2012
PROJECT NO:
CATEGORY: General
DEPARTMENT: Central Services
DEPT. RANKING: 7
NEW PROJECT: Yes



PROJECT DESCRIPTION: The mail room has OMR level 0 which allows for end of collation only. Upgrading to OMR level 2 will allow for selective feed. We would not insert items into bills that don't belong. Example, no return envelope if signed up for electronic payment, no local insert if out of state.

NEED, JUSTIFICATION, BENEFIT: This will reduce costs by eliminating unnecessary inserts in the utility bills. It will also increase efficiency by allowing targeted inserts based on district or any other data we wish to use.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: None

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS:

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous						10,000		10,000
Other								
TOTAL						10,000		10,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund						10,000		10,000
TOTAL						10,000		10,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Annual Maintenance						500	500	1,000

Fire Suppression System in IT

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Facilities Management
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: Install dry chemical fire suppression system in the IT department.

NEED, JUSTIFICATION, BENEFIT: The current system is water based, and if there should be a non-catastrophic event, the City could lose all of their electronic equipment due to water damage. A dry chemical system would limit the losses to actual fire damage.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: There would continue to be a possibility of accidental destruction of all the City's computer technology through water damage.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS:

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		27,000						27,000
Other								
TOTAL		27,000						27,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		27,000						27,000
TOTAL		27,000						27,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Handicapped Accessibility Improvements

FISCAL YEAR : 2009
PROJECT NO: FM0601
CATEGORY: General
DEPARTMENT: Facilities Management
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: The goal of this program is to make City facilities accessible to handicapped citizens. This program will be carried out in conformance with the ADA Implementation Plan which was completed in Fiscal Year 2004. The program sets aside money each year to implement plan recommendations.

NEED, JUSTIFICATION, BENEFIT: The City has been advised to bring its facilities up to ADA standards.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: City facilities may be in violation of ADA requirements.

THIS PROJECT IS RELATED TO THE FOLLOWING: City ADA Implementation Committee Study

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Implementation of the ADA planned upgrades has begun. Three City buildings have had automatic doors installed.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	68,500		70,845					139,345
Miscellaneous								
Other	7,500							7,500
TOTAL	76,000		70,845					146,845

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	41,000		35,845					76,845
Community Development Block Grant	35,000		35,000					70,000
TOTAL	76,000		70,845					146,845

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Internet/Intranet Expansion of Online Services



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 1
NEW PROJECT: No

PROJECT DESCRIPTION: The e-Government Strategic Plan recognizes the need for methodical expansion of our Internet presence in terms of e-Government services in Fiscal Year 2008 (Utility bill payments, recreation sign-up & payment, and license renewals). In addition, the Technology Advisory Committee gave the highest ranking to other improvements to our Internet presence including: the addition of a retiree section, on-line job application entry and submission, and a community notification system. This CIP request is for the City to hire consultants to supplement City I/T staff to make these improvements in a timely and cohesive manner.

NEED, JUSTIFICATION, BENEFIT: Move forward with e-Government and produce additional results in a timely manner.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Dover will fall behind in delivering these services, which denies our citizens 24/7 services and also translates into no relief for staff in other departments.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: e-Government Strategic Plan was presented to City Council in Fiscal Year 2006.

COMMENTS: Due to employee turnover, this project was not implemented in Fiscal Year 2007.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		100,000						100,000
TOTAL		100,000						100,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		100,000						100,000
TOTAL		100,000						100,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Replace iSeries System

FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project involves replacement of the iSeries System as part of our technology life cycle process. The last hardware upgrade to our current iSeries was in November 2002.

NEED, JUSTIFICATION, BENEFIT: The iSeries is a critical component of City operations as it houses one of the City's core applications (HTE).

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: New services such as User Query and integration with GIS may not be made available or sustainable due to the increasing impact they will have on the current system.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: Annual Hardware Maintenance after the first year of manufacturer's warranty expires.

TIME-LINE/CURRENT STATUS:

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		40,000	40,000	40,000				120,000
TOTAL		40,000	40,000	40,000				120,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		40,000	40,000	40,000				120,000
TOTAL		40,000	40,000	40,000				120,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Hardware Maintenance			15,000	15,000	15,000	15,000	15,000	75,000

Implement Citywide Document Imaging System



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: The City has an eight-year-old system that is underutilized and unable to integrate with the iSeries for HTE report extraction. This project would replace that system with a newer product that provides additional features including extraction of reports generated on the iSeries.

NEED, JUSTIFICATION, BENEFIT: Improved use of office space and employee efficiency; an increase in electronic storage will reduce the need for file cabinets and office space for them. It will also speed the retrieval of the information as it will occur electronically versus manually.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The above advantages as well as others will be unrealized.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: Annual maintenance for the software is estimated to be about \$6,500 per year. A new server will be required to support this application as it is used by numerous departments. This will impact the operating budget by \$5,000 every four years as the server will be replaced as part of the technology life cycle process.

TIME-LINE/CURRENT STATUS: Estimated start date is August 2007. Estimated completion date is April 2008.

COMMENTS: Cost estimates are primarily based on the Long-Range Strategic Information Technology Plan presented by BDMP, Inc. in June 2004. Updating the current imaging system includes: \$39,000 to double the number of licenses as well as providing a web interface for employees to view documents; \$24,000 adds up to 25 concurrent users for the Electronic Report Module; \$7,900 adds the Electric Signature Module which would allow customers to sign a pad and be captured as part of the document; \$10,000 to cover the migration, implementation and training services; and an additional \$15,000 has been added for the purchase of hardware.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		80,000						80,000
TOTAL		80,000						80,000

FINANCING:

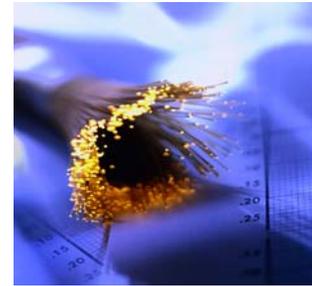
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		80,000						80,000
TOTAL		80,000						80,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Software Maintenance		6,500	6,500	6,500	6,500	6,500	6,500	39,000

Upgrade/Replacement of Inner City Fiber Optic Loop

FISCAL YEARS : 2008
PROJECT NO: EE0710
CATEGORY: Electric
DEPARTMENT: Information Technology
DEPT. RANKING: 3
NEW PROJECT: No



PROJECT DESCRIPTION: \$65,000 - creating a redundant fiber loop between Reed and Buttner while also bridging the larger data loop (making a north and a south loop) via Division Street; \$37,000 - for the electronics to provide automated switching and continuity of service should either path be compromised between Buttner and Reed; \$20,000 - for additional electronics to provide fall over switching at the other City office locations.

NEED, JUSTIFICATION, BENEFIT: Older fiber is at capacity and in poor condition for VoIP use.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Loss of I/T and voice communications with downtown City buildings.

THIS PROJECT IS RELATED TO THE FOLLOWING: VoIP system; I/T Services.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Review and evaluation of the existing fiber network by consulting firm was performed in Fiscal Year 2007.

COMMENTS: This project affects all City departments except Police.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		65,000						65,000
Miscellaneous	50,000	57,000						107,000
Other								
TOTAL	50,000	122,000						172,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Fund	50,000	122,000						172,000
TOTAL	50,000	122,000						172,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Implement Citywide Fleet Management System



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 4
NEW PROJECT: No

PROJECT DESCRIPTION: Implement an integrated fleet management software system that integrates the data and needs of the Central Services, City Clerk, and Finance Departments.

NEED, JUSTIFICATION, BENEFIT: Currently each of the above departments uses three different systems resulting in duplicate data management tasks as well as potential synchronization problems. Efficiencies and accuracy can be improved by implementing a centralized system.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continuation of disjointed inefficient systems.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: Operating budget will be impacted by annual software maintenance fees. Estimate is \$5,400 per year.

TIME-LINE/CURRENT STATUS: Estimated start date of November 2007 and completion date of March 2008.

COMMENTS: Cost estimates are based on the Long-Range Strategic Information Technology Plan presented by BDMP, Inc. in June 2004. In that document, they recommended using a commercial package. They estimated dollars based on HTE, Inc. Fleet Management module.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		41,400						41,400
TOTAL		41,400						41,400

FINANCING:

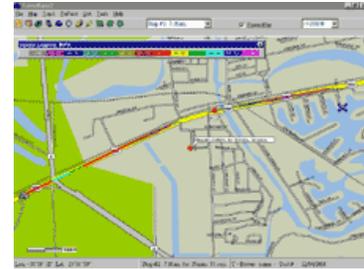
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		41,400						41,400
TOTAL		41,400						41,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Software Maintenance			5,400	5,400	5,400	5,400	5,400	27,000

GPS Tracking of City Fleet

FISCAL YEARS : 2008 - 2010
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 5
NEW PROJECT: Yes



PROJECT DESCRIPTION: This project, which was identified in the 2004 IT Long-Range Plan, involves the project planning and subsequent implementation of Global Positioning Systems (GPS) in City vehicles. By utilizing this technology in conjunction with our GIS systems, we will be able to improve utilization of our City fleet and improve response times for our citizens.

NEED, JUSTIFICATION, BENEFIT: The system is accessible from any computer with Internet connection and pays for itself quickly in fuel savings, better allocation of mobile resources, and faster response to customer requests. Being able to provide faster response to service requests leads to satisfied customers. More efficient fleet routing, decreased driver downtime, and minimized impact of traffic. Dispatchers receive vehicle location and status information in real-time without driver's intervention.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Non-efficient fleet routing with some driver downtime.

THIS PROJECT IS RELATED TO THE FOLLOWING: High priority project from annual TAC Meeting

EXPLANATION OF IMPACT ON OPERATING BUDGET: There will be a monthly wireless connectivity charge for each vehicle. According to the IT LRP, estimates are \$50/month per vehicle. The operating cost is expected to decrease as wireless technology is continuing to be subject to competitive pressure in the industry.

TIME-LINE/CURRENT STATUS: Year one will focus on developing a plan, selecting a vendor, and starting a pilot implementation on a couple of vehicles. Years two and three will focus on implementing GPS in the rest of the applicable City Fleet (estimated to be 90 in the 2004 IT LRP).

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		20,000						20,000
Land								
Construction								
Miscellaneous								
Other			45,000	45,000				90,000
TOTAL		20,000	45,000	45,000				110,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		20,000	45,000	45,000				110,000
TOTAL		20,000	45,000	45,000				110,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Connectivity Charge			2,000	29,000	56,000	56,000	56,000	199,000

Technology Projects per TAC Recommendations



FISCAL YEARS : 2009 - 2011
PROJECT NO:
CATEGORY: General
DEPARTMENT: Information Technology
DEPT. RANKING: 1
NEW PROJECT: No

PROJECT DESCRIPTION: During 2004, a third party company, BDMP, Inc., interviewed department heads and City Council members to establish our desired level of sustained investment in technology. This was estimated to be 3.69 percent of fund expenditures (not including debt and electric). As a result of this study, the City formed the TAC (Technology Advisory Committee) which consists of all participating Department Heads and the City Manager. Each year this group submits technology projects for review and selection. Each year the TAC will specify specific technology investments for the next year. This CIP sheet is presented as a placeholder for that block of monies in future years.

NEED, JUSTIFICATION, BENEFIT: We want to improve efficiencies, service levels, and be viewed by constituents and businesses as a technology friendly city. If we want to be on the leading edge, sustained investment is necessary.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Quality of systems and services will not hold pace with other cities, and our ability to serve will decrease as will the external perception of our City.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: Impact to the operating budget will be recalculated each year after the TAC selects which projects are the top priorities.

TIME-LINE/CURRENT STATUS: Driven by annual TAC meetings

COMMENTS: Cost estimates are presented only as a placeholder at \$500,000 per year.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other			515,000	530,450	546,364			1,591,814
TOTAL			515,000	530,450	546,364			1,591,814

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund			515,000	530,450	546,364			1,591,814
TOTAL			515,000	530,450	546,364			1,591,814

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Street and Alley Program

FISCAL YEARS : 2008 - 2012
PROJECT NO:
CATEGORY: General
DEPARTMENT: Public Services - Streets
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project will rehabilitate approximately five percent of the street and alley network each year. The estimated capital maintenance costs are \$33.7 million over a 20-year planning horizon in Fiscal Year 2005 dollars. This estimate is based on the needs survey conducted by Public Services in Fiscal Year 2004.

NEED, JUSTIFICATION, BENEFIT: The program identifies maintenance costs for 78.86 miles of streets and 15.24 miles of alleys. Replacement of deteriorated curbs, gutters, and sidewalks provides improved use, drainage, and the appearance of the pavement section.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continuous maintenance on these assets will prevent more costly reconstruction in the future.

THIS PROJECT IS RELATED TO THE FOLLOWING: This project combines the former Street Resurfacing Program, the Alley Program, and the Barrier Free Access Ramp Program.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The Street and Alley Program schedule is driven by funding and road ratings.

COMMENTS: The improvement schedule is based on the Fiscal Year 2004 ratings and Community Transportation Funds committed by area legislators. The annual funding split is proposed to be \$650,000 from the General Fund and \$1,000,000 from Community Transportation Funds in Fiscal Year 2007. The proposed funding split recognizes the loss of funds provided the past three fiscal years from the Community Development Block Grant Fund. The impact on the operating budget is negligible since we would only avoid costs such as temporary patching for potholes. Public Services also began an intermediate maintenance program for crack sealing in Fiscal Year 2007 (estimated at \$10,000 per year).

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	3,950,000	1,350,000	1,700,000	1,750,000	1,800,000	1,850,000		12,400,000
Miscellaneous								
Other								
TOTAL	3,950,000	1,350,000	1,700,000	1,750,000	1,800,000	1,850,000		12,400,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	1,200,000	350,000	700,000	750,000	800,000	850,000		4,650,000
Community Transportation Fund	2,750,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000		7,750,000
TOTAL	3,950,000	1,350,000	1,700,000	1,750,000	1,800,000	1,850,000		12,400,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Concrete Construction and Replacement Program



FISCAL YEARS : 2008 - 2012
PROJECT NO:
CATEGORY: General
DEPARTMENT: Public Services - Streets
DEPT. RANKING: 2
NEW PROJECT: No

PROJECT DESCRIPTION: This program replaces and rehabilitates deteriorated sidewalks and curbs throughout the City using in-house labor and private contractors. This is in accordance with the ADA.

NEED, JUSTIFICATION, BENEFIT: This program promotes the interconnection of the sidewalk network to conform to ISTEPA (Intermodal Surface Transportation Efficiency Act) and rehabilitates sidewalks that have root damage from City street trees. This program also facilitates compliance with the Americans with Disabilities Act as it relates to the pedestrian network as well as improving localized drainage issues.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating the project will result in continued complaints and insurance claims from citizens and visitors. In addition, further deterioration of the sidewalk network will occur.

THIS PROJECT IS RELATED TO THE FOLLOWING: Street and Alley Program, Water and Sewer System Repairs, Electric Department projects

EXPLANATION OF IMPACT ON OPERATING BUDGET: There is no impact on the operating budget as reduction in insurance claims and improved pedestrian mobility is difficult to financially quantify.

TIME-LINE/CURRENT STATUS: Priority list updated continuously

COMMENTS: The Department of Public Services maintains a prioritization list that outlines the categories of replacement. Complaints are entered on the list as they are received and prioritized by City staff.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	170,000	65,000	70,000	75,000	80,000	85,000		545,000
Miscellaneous								
Other								
TOTAL	170,000	65,000	70,000	75,000	80,000	85,000		545,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	170,000	65,000	70,000	75,000	80,000	85,000		545,000
TOTAL	170,000	65,000	70,000	75,000	80,000	85,000		545,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Carpet Replacement



FISCAL YEAR: 2008
PROJECT NO: PD0602
CATEGORY: General
DEPARTMENT: Police
DEPT. RANKING: 2
NEW PROJECT: No

PROJECT DESCRIPTION: This project would replace the commercial grade carpet in the offices located on the first and second floors of the Police Station.

NEED, JUSTIFICATION, BENEFIT: The carpet in these areas is already nine to ten years old and is bubbling excessively in some areas. The bubbles are so bad in some of the rooms and areas that they have become an unsafe tripping hazard to Department personnel. In other areas, the carpet is extremely worn and dingy because of the excessive daily traffic experienced in these areas. We have been told that the carpet cannot be re-stretched and/or re-glued to eliminate the bubbling problem because of how it was originally installed.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Failure to fund the carpet replacement will result in an unsafe working environment and present unnecessary safety hazards to Police Department personnel.

THIS PROJECT IS RELATED TO THE FOLLOWING: The first phase of carpet replacement was completed in May 2005 when the Records Unit carpet was done. This project will continue in two more phases to complete the remaining offices on the first floor in the second phase in FY2007 and the offices on the second floor in the third phase in Fiscal Year 2008.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: As stated above, we need to replace the carpeting as requested and hope no accidents occur in the meantime.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other	26,829	15,300						42,129
TOTAL	26,829	15,300						42,129

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	26,829	15,300						42,129
TOTAL	26,829	15,300						42,129

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Police Station Front Steps

FISCAL YEAR: 2008
PROJECT NO: PD0504
CATEGORY: General
DEPARTMENT: Police
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project will repair the front steps of the Police Station. During calendar year 2001, the steps were in bad repair and presented a major safety hazard to our customers. We cordoned off the worst area of the steps to avoid accidents. Public Services personnel did make a temporary fix to the steps in November 2001 but requested we submit this project in this plan to effect a permanent solution. In addition, this project is being added back in because the steps are starting to degrade again. We expect the upcoming winter to cause further damage and the steps to become a safety concern again. A more permanent solution is needed to resolve this problem.

NEED, JUSTIFICATION, BENEFIT: As stated previously, this project is critical due to safety and liability concerns for visitors to the Police Department.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Safety and liability concerns identified above

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: As stated above, the steps are currently useable, but Public Services and Central Services indicate that this project needs to be accomplished to permanently fix the problem.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		65,000						65,000
Miscellaneous								
Other								
TOTAL		65,000						65,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		65,000						65,000
TOTAL		65,000						65,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Repave Police Station Parking Lots

FISCAL YEAR : 2009
PROJECT NO: PD0804
CATEGORY: General
DEPARTMENT: Police
DEPT. RANKING: 3
NEW PROJECT: No



PROJECT DESCRIPTION: This project will mill down, repave, and re-stripe the parking lots on the southeast and southwest sides of the building. Currently, the southwest lot has several potholes that need to be filled in and repaired more permanently. Both lots are developing cracks and deteriorating quickly. The City crews came over and put cold patches down on the southwest side, but have not been back to perform a more permanent repair that will sustain us through the winter.

NEED, JUSTIFICATION, BENEFIT: The potholes are bad enough that they could cause damage to Department and personal vehicles if not fixed.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The potholes are bad enough that they could cause damage to Department and personal vehicles if not fixed and could be considered a safety liability issue due to the fact that numerous people use our parking lots/facility.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Currently waiting for the City crews to put hot patches down to temporarily fix the areas that are the worst.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other			95,200					95,200
TOTAL			95,200					95,200

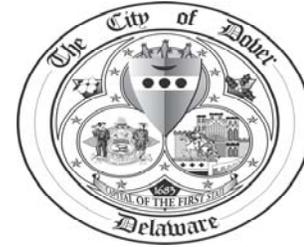
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund			95,200					95,200
TOTAL			95,200					95,200

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Fire Investigations Unit/Mobile Office #14



FISCAL YEARS: 2008- 2009
PROJECT NO.: N/A
CATEGORY: General
DEPARTMENT: Public Services - Inspections
DEPT. RANKING: 1
NEW PROJECT: Yes

PROJECT DESCRIPTION: This project would purchase a six-wheel truck with a 15-foot box body to be used as a Fire Investigations Unit/Mobile Office. The box area of the truck would be divided into two sections with the front being used as an office and work area and the back being used for equipment storage. With help from Facilities Management and Grounds, we may be able to construct the interior as a cost-saving measure. The City Fire Marshal's Office has received notification of grant money award in the amount of \$30,000. This will still require at least \$50,000 in additional funding from the City which will be used in addition to the \$30,000 grant monies to replace the current investigations van and fit-out the interior of the unit. The office is looking to purchase a vehicle that will serve for the next 20 years. The current van would remain in service and be used as mobile storage for fire safety handouts and fire safety education. The van would also be used to store the equipment used to teach City employees CPR and for any other City employee training that may be needed.

NEED, JUSTIFICATION, BENEFIT: The Fire Marshal's Office is responsible for the determination of causes of fires within the City of Dover. At the present time, while conducting fire investigations, the Office is working out of a 1985 van which has served its purpose well over the past ten years. The van is good for transporting equipment; however, it has no area to get out of the elements. The van is filled with equipment, and there is no room for growth such as adding computers, work area, or additional equipment. The Office is simply outgrowing the vehicle. The average fire scene investigation can last up to four hours with fatal, criminal, and large fire losses being much longer. Four hours or longer in the elements can lead to investigator fatigue resulting in injury or the fire scene not being processed properly. By having a larger vehicle with an environmentally controlled work area, the fire investigator can remain on scene as long as it takes to properly process the scene. During the NASCAR races the Fire Marshal's Office and the Inspections Department are on site for three days. This vehicle would be used as a forward office area to coordinate fire safety, licensing, and zoning regulations. The Inspections Department, part of the City of Dover Emergency Preparedness Plan, is responsible for damage assessment caused by natural disasters. This vehicle would be used as an office area to coordinate the damage assessment. At this time, the present van is too small and not set up for this task. The Inspections Department and Fire Marshal's Office would benefit greatly from the replacement of the vehicle by having the proper space and equipment to handle the growth demands of the department. Citizens would benefit by the Fire Marshal's Office being able to stay on the scene as long as needed to determine the origin of a fire and to document a scene for criminal prosecution. Citizens will benefit by the Inspections Department being able to document a natural disaster in the proper manner to speed up insurance and DEMA claims.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The rising cost of vehicles - As the City grows, so does the responsibility of the Fire Marshal's Office and the Inspections Department. This request is a part of the natural growth of both offices. It would also hamper staff from conducting proper fire scene investigations by having them exposed to the elements. Eliminating the project will hurt the ability of the Inspections Department and Fire Marshal's Office to properly meet the demands of the citizens who want to know how and why fires start and to have their properties assessed after a natural disaster by limiting staff to outdated and overcrowded equipment.

THIS PROJECT IS RELATED TO THE FOLLOWING: Public Safety

EXPLANATION OF IMPACT ON OPERATING BUDGET: Yearly cost of fuel and maintenance upkeep for vehicle

TIME-LINE/CURRENT STATUS: Current van was to be replaced Fiscal Year 2011. Staff is requesting that the replacement be moved up to Fiscal Year 2008.

COMMENTS: The Fire Marshal's office has received \$30,000 from DEMA grant funding and has been approved for the purchase of a box truck to replace an existing 1985 van. This will still require additional funding as laid out in the three-year cost breakdown schedule to complete this project. This is an important project for the operational requirements of the Fire Marshal's Office

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		70,000	10,000					80,000
Other								
TOTAL		70,000	10,000					80,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Homeland Security Grant		30,000						30,000
General Fund		40,000	10,000					50,000
TOTAL		70,000	10,000					80,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Fuel and Maintenance		500	500	500	500	500	500	3,000

John W. Pitts Recreation Center

FISCAL YEAR: 2008
PROJECT NO: PR0501
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project would construct a community center with gymnasium space, meeting rooms, office space for Parks and Recreation staff, and parking area.

NEED, JUSTIFICATION, BENEFIT: Based on research done by the Dover Recreational Facilities Committee, the City needs indoor recreation space to meet the recreational needs of City residents. The Center will provide indoor space for recreational programs.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The Parks and Recreation Department will not be able to provide a comprehensive recreation program to meet the needs of the citizens of Dover.

THIS PROJECT IS RELATED TO THE FOLLOWING: West Side Recreation Center Plan

EXPLANATION OF IMPACT ON OPERATING BUDGET: Cost for staffing, supplies, utilities, and operation of the Recreation Center (Impact on budget is an estimate based on the difference between expenditure and revenue.)

TIME-LINE/CURRENT STATUS: Planning, specification, design, and construction documents were completed during Fiscal Year 2007. Construction began in Fiscal Year 2007 and will be completed by Fiscal Year 2008.

COMMENTS: West Side Recreation Center Plan was completed during Fiscal Year 2004. Council approved funding for the Center based on the funding plan presented to the Parks and Recreation Enhancement Committee during Fiscal Year 2005. Council then voted to name the center the John W. Pitts Recreation Center. (This project was formerly known as the West Side Recreation Center.)

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	291,600	32,400						324,000
Land								
Construction	879,252	1,870,800						2,595,252
Miscellaneous								
Other		84,000						84,000
TOTAL	1,170,852	1,987,200						3,158,052

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Parkland Fund	1,166,852	1,870,800						2,999,252
Other	4,000							4,000
TOTAL	1,170,852	1,987,200						3,158,052

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Operating Costs		200,000	286,855	295,460	304,324	319,540		1,406,179

Playground Equipment Purchase Program

FISCAL YEAR S : 2008 - 2009
PROJECT NO:
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project will purchase playground equipment for Millcreek and Schutte Park.

NEED, JUSTIFICATION, BENEFIT: The Millcreek neighborhood open space (1.864 acres) and Schutte Park (57 acres) have no existing playground equipment. By purchasing play equipment, age-appropriate equipment that is accessible to all children will be provided.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: No play equipment will be provided at these sites.

THIS PROJECT IS RELATED TO THE FOLLOWING: Improving park areas and neighborhoods

EXPLANATION OF IMPACT ON OPERATING BUDGET: The impact on operating budget is for monthly inspections of the play equipment.

TIME-LINE/CURRENT STATUS: Millcreek Playground - Begin work in March 2008; finish by May 2008. Schutte Park - Begin work in September 2008; finish by December 2008.

COMMENTS: Residents of Millcreek have requested play equipment for their neighborhood.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		40,000	80,000					120,000
Miscellaneous								
Other								
TOTAL		40,000	80,000					120,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
State Grant		20,000						20,000
General Fund		20,000	80,000					100,000
TOTAL		40,000	80,000					120,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Monthly Inspections		300	300	300	300			1,200

Schutte Park Land - Improvements



FISCAL YEARS : 2008
PROJECT NO: PR0702
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: The project involves a probable land donation from a developer. Wyoming Mill Road will be reconfigured to intersect with the Village of Westover entrance. The price listed is for grading and seeding the donated land which will become athletic fields.

NEED, JUSTIFICATION, BENEFIT: Increased acreage for outdoor athletic fields.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Lack of outdoor athletic field space.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET: Land has been donated.

TIME-LINE/CURRENT STATUS: We are pursuing donations to cover the cost of the grading and seeding.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		100,000						100,000
Miscellaneous								
Other								
TOTAL		100,000						100,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Other		100,000						100,000
TOTAL		100,000						100,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Mirror Lake Dredging



FISCAL YEAR: 2008
PROJECT NO: PR0703
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 4
NEW PROJECT: No

PROJECT DESCRIPTION: This project would dredge Mirror Lake to restore water level and appearance.

NEED, JUSTIFICATION, BENEFIT: At the present time, Mirror Lake is filling in with sediment. During low tide, about 40% of the lake bottom is exposed. By dredging the lake, the normal water level will be restored.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continual buildup of sediment in the lake - in the future, the lake could become a wetland area.

THIS PROJECT IS RELATED TO THE FOLLOWING: Mirror Lake Testing and Analysis

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Find a site for the disposed materials and dredge the lake beginning in September 2008 and be completed by June 2007.

COMMENTS: Several comments have been received from concerned residents about the water level in Mirror Lake. During low tide, 40% of the lake bottom is exposed due to sediment. Staff has consulted with DNREC officials regarding analysis results. Cost estimates were provided by DNREC, and the potential for Brownfields funding does exist.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	50,000	400,000						450,000
Land								
Construction								
Miscellaneous								
Other								
TOTAL	50,000	400,000						450,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
State Grant	50,000	400,000						450,000
TOTAL	50,000	400,000						450,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Park and Playground Improvement Program

FISCAL YEARS : 2008 - 2012
PROJECT NO: PR0704
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 5
NEW PROJECT: No



PROJECT DESCRIPTION: This project will resurface the basketball courts in New Street Park and Kirkwood Street Park in Fiscal Year 2009 and repair existing park facilities.

NEED, JUSTIFICATION, BENEFIT: The existing basketball courts have crack throughout and are creating a safety issue.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The courts may need to be closed for public use due to safety issues.

THIS PROJECT IS RELATED TO THE FOLLOWING: Playground replacement program to meet Consumer Product Safety Commission playground safety guidelines.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Work on Dover/New Street Park Basketball Court will begin in October 2007 and is scheduled to be completed by September 2007. Work on Kirkwood Street Basketball Court will begin in August 2007 and is scheduled to be completed by October 2007.

COMMENTS: Project was formerly called "Playground Equipment Replacement Program."

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	104,066	30,000	30,000	30,000	36,000	33,000	30,000	293,066
Miscellaneous	96,724							96,724
Other	36,210							36,210
TOTAL	237,000	30,000	30,000	30,000	36,000	33,000	30,000	426,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	237,000	30,000	30,000	30,000	36,000	33,000	30,000	426,000
TOTAL	237,000	30,000	30,000	30,000	36,000	33,000	30,000	426,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Skate Park

FISCAL YEAR : 2010
PROJECT NO:
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: This project would construct a skate park for the Dover area youth.

NEED, JUSTIFICATION, BENEFIT: Many youth and parents have approached the City for a skate park. Area business owners have complained about skaters damaging their property. This park would give the youth a designated skate area.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continual lack in meeting the needs of our youth population; more destruction and problems with business property

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Skate Park construction to begin in March 2010 and finish by May 2010.

COMMENTS: Local business may be willing to lease land for the purpose of a skate park.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			10,000					10,000
Land								
Construction				70,000				70,000
Miscellaneous								
Other								
TOTAL			10,000	70,000				80,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund			10,000	70,000				80,000
TOTAL			10,000	70,000				80,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Annual Maintenance				10,000	10,300	10,609	10,927	41,836

Schutte Park Pathway

FISCAL YEAR : 2010
PROJECT NO:
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project would involve the continuation of the ten-foot wide multi-use pathway in Schutte Park.

NEED, JUSTIFICATION, BENEFIT: Loop pathway in Schutte Park for park users - Existing pathway goes from back parking lot to Wyoming Mill Road.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Parks users will not have a trail system that connects from beginning to end.

THIS PROJECT IS RELATED TO THE FOLLOWING: Existing Schutte Park trail (installed in May 2003); City's Greenway system

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Construction of pathway to begin in August 2009 and be completed by October 2009.

COMMENTS: We will apply for a State grant from the Delaware Land, Water & Trust Fund (DLWTF) to pay 50 percent of the project costs.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction				120,000				120,000
Miscellaneous								
Other								
TOTAL				120,000				120,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
State Grant				60,000				60,000
General Fund				60,000				60,000
TOTAL				120,000				120,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Splash Pad at Schutte Park



FISCAL YEAR : 2011
PROJECT NO:
CATEGORY: General
DEPARTMENT: Parks and Recreation
DEPT. RANKING: 1
NEW PROJECT: No

PROJECT DESCRIPTION: This project would construct a ground-level splash pad located in Schutte park.

NEED, JUSTIFICATION, BENEFIT: It would improve quality of life for our Dover families, be an enhancement to our summer outdoor camp and sport activities, and provide outdoor water activity during summer months.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Not meeting the needs of our residents and is dependent upon water quality of Silver Lake.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: Water usage

TIME-LINE/CURRENT STATUS: Project will begin in September 2008 and be completed by May 2009.

COMMENTS: This project would be an improvement to a growing and very popular park area.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous					200,000			200,000
Other								
TOTAL					200,000			200,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund					100,000			100,000
State Grant					100,000			100,000
TOTAL					200,000			200,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water Usage			10,000	20,000	20,000	20,000		70,000

Training Laptops

FISCAL YEAR : 2009
PROJECT NO:
CATEGORY: General
DEPARTMENT: Library
DEPT. RANKING: 2
NEW PROJECT: Yes



PROJECT DESCRIPTION: Training laptops - portable facility.

NEED, JUSTIFICATION, BENEFIT: Public library resources, including the catalog of the library's collection, are now accessible only through the computer. Various agencies nationwide are requiring the public to submit forms and applications online. Patrons of all ages are in need of computer training to help them find the information they need. We offer classes on topics such as searching the catalog, basic computer skills, general research, word processing, etc. As a Cooperating Collection designated library by the national Foundation Center, we will offer regular training to library patrons and area organizations on philanthropy in March 2006. The training laptops will allow us to offer training to more patrons without interrupting existing computer services on the main floor. The computers are currently used approximately 5,000 times per month. With the training laptops, we could offer training in the library as well as remote locations such as senior centers.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Patrons who lack computer skills are hampered in accessing information. When classes are held on the main floor of the library, other library patrons are not able to use those computers. We may have to offer fewer computer classes if we cannot set up training in another location within the library.

THIS PROJECT IS RELATED TO THE FOLLOWING: Technology project submitted to IT department.

EXPLANATION OF IMPACT ON OPERATING BUDGET: Minimal supplies for the first three years; supplies and service contract beginning Fiscal Year 2011; software upgrades for Fiscal Year 2011.

TIME-LINE/CURRENT STATUS: July 2008 - Acquire laptops and other equipment. August 2008 - Prepare laptops for public use. October 2008 - Begin using laptops for public training. We have researched estimated costs for purchasing equipment. We are investigating the possibility of acquiring recycled laptops from other City offices.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous			30,174					30,174
Other								
TOTAL			30,174					30,174

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund			30,174					30,174
TOTAL			30,174					30,174

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Increased Expense				800	3,560	2,300	2,300	10,560

Red Alert Dispatching System Upgrade



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Fire
DEPT. RANKING: 1
NEW PROJECT: Yes

PROJECT DESCRIPTION: Upgrading the Red Alert Dispatching systems in the Communications Center.

NEED, JUSTIFICATION, BENEFIT: This dispatching system will upgrade the aging system that is 15-years old. The upgraded system will enable the Dispatchers to immediately access residential or business emergency information and will expedite a response from the fire department with contact information and building information such as in hazardous situations. This system records all incidents and is used by the City and the State Fire Marshals Office(s). The system is also used for street and fire hydrant information, including the knox box locations and firefighter accountability during emergency situations.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Renovations to the Communications Center will not be completed.

THIS PROJECT IS RELATED TO THE FOLLOWING: Renovations to the Communications Center.

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS: This project was deferred until July 2007.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		30,000						30,000
TOTAL		30,000						30,000

FINANCING:

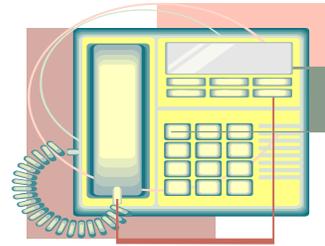
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		30,000						30,000
TOTAL		30,000						30,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Phone System Upgrade

FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Fire
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: Upgrading current phone system to the new Cisco system.

NEED, JUSTIFICATION, BENEFIT: This phone system will replace the old system that has caused problems such as disconnecting during an emergency call. This system is part of a city wide voice over IP phone system upgrade. The new system will allow the dispatcher to have more control and provides caller ID from which the dispatcher can observe and make the necessary contacts in advance of dispatching the assistance. This replacement system will also support the new alarm room communications equipment. Replacement of this system will also cover the recorder which needs to be upgraded. The new recorder will record all of the emergency lines. It also is possible that these recordings could be used for legal action in emergency situations.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Serious injury or death due to failure to respond timely.

THIS PROJECT IS RELATED TO THE FOLLOWING: New Communications Center (Alarm Room).

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS: This project was deferred until July 2008. The equipment has been ordered, awaiting arrival.

COMMENTS: This upgrade is a part of the Communications Center renovations.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		55,000						55,000
TOTAL		55,000						55,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund		55,000						55,000
TOTAL		55,000						55,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Annual Contribution to Robbins Hose Company

FISCAL YEAR: 2008 - 2012
PROJECT NO: n/a
CATEGORY: General
DEPARTMENT: Fire
DEPT. RANKING: 2



PROJECT DESCRIPTION: This contribution covers payments to the Robbins Hose Company to cover the Major Fire Apparatus Replacement Plan and the annual mortgage payment for Station #2.

NEED, JUSTIFICATION, BENEFIT: The annual mortgage payment is based on an earlier agreement that the City has with the Robbins Hose Company. The Major Fire Apparatus Replacement Plan ensures loan payments for replacement according to a schedule which guarantees equipment will not be outdated and unserviceable. This plan is based on replacing one of the Company's five engines and one rescue vehicle every three years which would put the average replacement age at 18 years. The two ladder trucks would be replaced every 15 years depending on condition and current needs. This schedule would reduce overall maintenance costs because fire apparatus would be replaced before major problems occur. By providing the Robbins Hose Company with the needed payments for the Major Fire Apparatus Replacement Plan, the Robbins Hose Company will be enabled to pay for a \$5.2 million door rehabilitation of the Company Headquarters on Governors Avenue. This renovation is designed to handle 25 years of growth of the company and would preclude any need for an additional fire station in Dover. The Robbins Hose Company will also cover costs associated with miscellaneous apparatus and equipment such as command units, utility vehicles, and large hose replacement.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Increased maintenance costs; possibility of not meeting ISO requirements and NFPA standards

THIS PROJECT IS RELATED TO THE FOLLOWING: n/a

EXPLANATION OF IMPACT ON OPERATING BUDGET: n/a

TIME-LINE/CURRENT STATUS:

Fiscal Year	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	TOTALS
Mtge Stat. #2	35,000						\$ 35,000
Ladder 1 (2001)	70,000						\$ 70,000
Ladder 2 (1993)	92,910	92,910	92,910	92,910	92,910	92,910	\$ 557,460
Engine 4 (1989)							\$ -
Engine 5 (1989)		150,000	150,000	150,000			\$ 450,000
Engine 7 (1997)					160,000	160,000	\$ 320,000
Totals	\$ 197,910	\$ 242,910	\$ 242,910	\$ 242,910	\$ 252,910	\$ 252,910	\$ 1,432,460

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous Equipment	1,422,000	197,910	242,910	242,910	242,910	252,910	252,910	2,854,460
Other								
TOTAL	1,422,000	197,910	242,910	242,910	242,910	252,910	252,910	2,854,460

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	1,422,000	197,910	242,910	242,910	242,910	252,910	252,910	2,854,460
TOTAL	1,422,000	197,910	242,910	242,910	242,910	252,910	252,910	2,854,460

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

CAMA (Orion) System Upgrade



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: General
DEPARTMENT: Tax Assessor
DEPT. RANKING: 1
NEW PROJECT: Yes

PROJECT DESCRIPTION: Upgrade to CAMA system (Orion)

NEED, JUSTIFICATION, BENEFIT: Software upgrade is needed to complete the revaluation/reassessment project.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The Assessor's Office will not be able to complete the revaluation and reassessment of properties in a timely fashion.

THIS PROJECT IS RELATED TO THE FOLLOWING: Revaluation/reassessment project.

EXPLANATION OF IMPACT ON OPERATING BUDGET: n/a

TIME-LINE/CURRENT STATUS: Upgrade to current software needed as soon as possible.

COMMENTS: n/a

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other	5,000	45,000						50,000
TOTAL	5,000	45,000						50,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
General Fund	5,000	45,000						50,000
TOTAL	5,000	45,000						50,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

WATER/WASTEWATER

EXPENDITURES

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Public Utilities - Wastewater Mgmt							
2nd Meter Reading Tech Upgrade (WW)	176	330,400	183,150	147,250			
Inflow/Infiltration Removal	177	1,005,300	100,000	150,500	201,000	251,600	302,200
Miscellaneous Sewer System Improvements	178	200,000	30,000	35,000	40,000	45,000	50,000
SCADA Equipment Technology Upgrade	179	396,900	74,000	76,600	79,300	82,100	84,900
South Governors Avenue Sewer Main Upgrade	180	300,000	300,000				
Lafferty Lane Package Pump Station Replacement & Upgrade	181	230,000	230,000				
White Oak Farms Pumping Station VFDs	182	66,000	66,000				
U.S. Rt. 13 East Sanitary Sewer Interceptor	183	2,376,800	85,000	2,291,800			
Dover East Pumping Station and Force Main Replacement	184	335,000	335,000				
Fox Hall Pump Station Rehabilitation	185	222,000		222,000			
DE State Univ. Pumping Station Replacement	186	257,000		257,000			
Wastewater Master Plan Update	187	150,000		150,000			
Pump Station and Sewer Basin Study	188	206,000		206,000			
Acorn Lane Package Pump Station Replacement	189	211,100		211,100			
Fox Hall/Retreat Force Main Rerouting	190	128,750		128,750			
Baltray Pumping Station Replacement	191	215,000			215,000		
Brandywine Package Pump Station Replacement	192	224,600			224,600		
Heatherfield Pumping Station Upgrade	193	46,700			46,700		
Lepore Road Pump Station Relocation	194	455,400			67,300	388,100	
Dupont Manor Residential District Sewer Expansion	195	447,100			25,900	207,000	214,200
Dupont Manor Commercial District Sewer Expansion	196	500,600			42,800	225,000	232,800
Dover Brook Gardens Pump Station Upgrade	197	41,500				41,500	
Rolling Acres Pumping Station Replacement	198	222,500				222,500	
Turnberry Force Main Redirect	199	370,000				370,000	
Westover Pumping Station and Force Main Upgrade	200	134,600				134,600	
Schoolview Pumping Station Force Main Redirect	201	140,000				140,000	
Delaware Tech Pumping Station Replacement/Redirect	202	222,600				222,600	

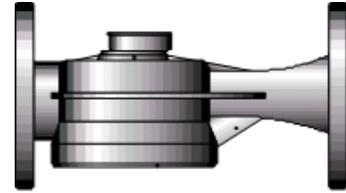
CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Lakeview Drive Pumping Station Replacement	203	372,600					372,600
Silver Lake Pumping Station Replacement/Upgrade	204	186,300					186,300
McKee Road Pumping Station Communator Replacement	205	33,100					33,100
McKee Road Force Main Rerouting	206	88,000					88,000
Subtotal		10,115,850	1,403,150	3,876,000	942,600	2,330,000	1,564,100
Public Utilities - Water Mgmt							
Meter Reading Technology Upgrade	207	330,400	183,150	147,250			
Wellhead Redevelopment Program	208	275,000	45,000	50,000	55,000	60,000	65,000
Wellhead VFD Upgrades	209	383,400	122,000	84,200	87,100	90,100	
Water Quality Improvements	210	6,107,900	915,000	1,587,000	1,160,700	1,201,500	1,243,700
Miscellaneous Distribution System Improvements	211	325,000	55,000	60,000	65,000	70,000	75,000
Remote Control & Monitor Wells	212	289,800	139,700		150,100		
Emergency Generators (Wells)	213	290,000	140,000		150,000		
1.0 MG Elevated Water Storage Tower	214	4,196,600	55,000	1,855,000	2,286,600		
Piney Point Well	215	398,800	10,000	130,000	258,800		
Scarborough Road Interconnection (Tidewater Utilities)	216	72,500	72,500				
South Governors Avenue Water Main Upgrade	217	200,000	200,000				
Walker Road Water Main Upgrade	218	2,122,700			723,700	1,399,000	
Southeast Water Loop	219	1,580,400			776,600	803,800	
U.S. Rt. 13 Water Main Improvements	220	2,558,000				1,135,000	1,423,000
McKee Run Tank Water Main Upgrade	221	824,900				124,200	700,700
Legislative Avenue Water Main Upgrade	222	593,000				119,000	474,000
Subtotal		20,548,400	1,937,350	3,913,450	5,713,600	5,002,600	3,981,400
TOTAL		30,664,250	3,340,500	7,789,450	6,656,200	7,332,600	5,545,500

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Water/Wastewater Fund	16,992,250	2,350,500	3,642,650	3,495,900	4,555,400	2,947,800
Bond Financing	11,532,000		3,146,800	3,010,300	2,777,200	2,597,700
Impact Fee Reserve	1,850,000	850,000	1,000,000			
Homeland Security Grant	290,000	140,000		150,000		
TOTAL	30,664,250	3,340,500	7,789,450	6,656,200	7,332,600	5,545,500

2nd Meter Reading Tech Upgrade (WW)

FISCAL YEAR S : 2008 - 2009
PROJECT NO: WS0603
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project will convert touch reading water meter technology to radio reading technology on approximately 2,800 water meters per year based on two meter techs.

NEED, JUSTIFICATION, BENEFIT: The project will significantly increase meter reading efficiency by reducing manpower costs over the long term.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will result in an increased manpower demand due to the increasing number of water meters and the increase in the size of the water service territory.

THIS PROJECT IS RELATED TO THE FOLLOWING: The conversion of electric meters to similar technology.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Approximately 2,784 meters have been converted through Fiscal Year 2007.

COMMENTS: All work on this project is completed by City staff assigned to the water utility. Out-year costs have been increased by three percent per year. The total number of water meters in the City's system is estimated to be 13,100. Cost avoidance of hiring one additional meter reader is estimated to be \$42,872 in Fiscal Year 2006 dollars. This includes salary, benefits, vehicle, maintenance, and equipment.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous	225,000	183,150	147,250					555,400
Other								
TOTAL	225,000	183,150	147,250					555,400

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	225,000	183,150	147,250					555,400
TOTAL	225,000	183,150	147,250					555,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Inflow/Infiltration Removal

FISCAL YEAR(S) : 2008 - 2012
PROJECT NO: WS0501
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: The project will identify and correct areas in the sanitary sewer collection system that are deteriorating and allowing groundwater to enter the sanitary sewer system through cracked pipes and/or joints. In addition, video investigation will help identify sump pump connections to the system which will have to be removed by individual property owners.

NEED, JUSTIFICATION, BENEFIT: The wet weather experienced in 2003, highlighted the fact that we have an aging wastewater system that requires more attention to the condition of the old pipe network and more monitoring of sump pump connections to the system. Inflow and infiltration are problems that all customers pay for since they are costs that are not assigned to an individual customer. Therefore, all customers are affected by expenses related to inflow and infiltration.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will result in continued higher treatment charges for wastewater flow to Kent County than is necessary. In addition, the reduction in available capacity in the City and county systems due to inflow and infiltration will reduce the capacity available for future growth.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: The project will reduce the operating budget over time due to the reduction in costs for sewage treatment paid to Kent County. The goal is to reduce inflow and infiltration by ten gallons per minute each year for five years (approximately \$10,000 per year treatment charge). All savings are cumulative.

TIME-LINE/CURRENT STATUS: Investigation and program development occurred in Fiscal Year 2005; project scoping will occur in Fiscal Year 2006; video inspection and testing of pipe occurred in Fiscal Years 2006 and 2007; relining/replacement of pipe will occur in Fiscal Years 2008 through 2012.

COMMENTS: In the first five months of Fiscal Year 2004, the Kent County Wastewater Adjustment Charge was approximately \$68,454 over the target budget per month. In Fiscal Year 2005, City Council approved a \$.45/Tgal rate increase on the City's sewer rate to compensate for this problem. Inflow and infiltration created an additional budget deficit of \$68,890 through the first quarter of Fiscal Year 2005. The project will reduce the operating budget over time due to the reduction in costs for sewage treatment paid to Kent County.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	49,000	15,000	15,500	16,000	16,600	17,200	17,800	147,100
Land								
Construction	201,000	85,000	135,000	185,000	235,000	285,000	335,000	1,461,000
Miscellaneous								
Other								
TOTAL	250,000	100,000	150,500	201,000	251,600	302,200	352,800	1,608,100

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	250,000	100,000	150,500	201,000	251,600	302,200	352,800	1,608,100
TOTAL	250,000	100,000	150,500	201,000	251,600	302,200	352,800	1,608,100

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Miscellaneous Sewer System Improvements



FISCAL YEAR(S): 2008 - 2012
PROJECT NO: WS0605
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: This project will replace sewer line segments that are rapidly deteriorating due to age and location. No specific locations for this work have been programmed to date; however, this project is intended to focus on the residential collection system in the areas where water main work is scheduled.

NEED, JUSTIFICATION, BENEFIT: These funds are necessary to address failing or deteriorated infrastructure where City crews are replacing old water mains through the miscellaneous water system improvement project.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will result in increased utility cuts on roads where water main work is scheduled to be completed due to the age of the old lines or break history.

THIS PROJECT IS RELATED TO THE FOLLOWING: Miscellaneous Distribution System Improvements for the water system

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Proposed as an annual project; locations will be identified.

COMMENTS: All work is intended to be done by the in-house construction crew in areas where water system work is scheduled.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	40,000	30,000	35,000	40,000	45,000	50,000	55,000	295,000
Miscellaneous	40,000							40,000
Other								
TOTAL	80,000	30,000	35,000	40,000	45,000	50,000	55,000	335,000

FINANCING:

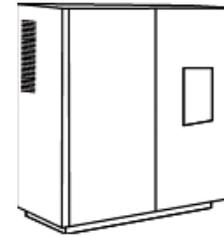
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	80,000	30,000	35,000	40,000	45,000	50,000	55,000	335,000
TOTAL	80,000	30,000	35,000	40,000	45,000	50,000	55,000	335,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

SCADA Equipment Technology Upgrade

FISCAL YEAR(S) : 2008 - 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 4
NEW PROJECT: No



PROJECT DESCRIPTION: This project involves the replacement of antiquated and/or obsolete remote terminal units (RTUs) at sewage pumping stations with new up-to-date serviceable SCADA equipment. Microwave radios, antennas, and enclosures would be upgraded as needed. The RTU and radio are the reporting equipment for the SCADA system (Supervisory Control and Data Acquisition) which reports, on a constant basis, the status of alarms at the City's pumping stations. The RTUs that are being replaced are outdated and unable to be repaired. Most of the equipment is installed in two steel cabinets mounted outside and are corroding. The new equipment is installed within a single fiberglass NEMA 4 enclosure.

NEED, JUSTIFICATION, BENEFIT: Replace failing antiquated equipment with completely new alarm reporting equipment to provide reliable SCADA system reporting and to prevent the need for costly non budgeted emergency repairs.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Lack of alarms resulting in costly sewer backup claims. An RTU or radio failure would provide no advance warning of a failure resulting in costly sewer backup claims or sewage overflows into waterways.

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine operational replacement of old exhausted equipment

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Each Year: order equipment in July; construct cabinets and back-plates in December; complete installation by June.

COMMENTS: Currently, the purchase of this equipment has had to come out of the operation budget to replace equipment as it fails. Lack of alarms resulting in costly sewer backup claims. It is estimated that five stations will be upgraded each year.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		14,000	14,500	15,000	15,500	16,000	16,600	91,600
Miscellaneous		60,000	62,100	64,300	66,600	68,900	68,900	390,800
Other								
TOTAL		74,000	76,600	79,300	82,100	84,900	85,500	482,400

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		74,000	76,600	79,300	82,100	84,900	85,500	482,400
TOTAL		74,000	76,600	79,300	82,100	84,900	85,500	482,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

South Governors Avenue Sewer Main Upgrade



..FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: Yes

PROJECT DESCRIPTION: This project will repair and/or replace approximately 2,600 linear feet of 8, 10, and 12-inch diameter sewer main within the right-of-way of South Governors Avenue between Webb's Lane and Water Street. These repairs have become necessary due to changes in the scope of the DelDOT restoration project for South Governors Avenue. Work will also include manhole restoration.

NEED, JUSTIFICATION, BENEFIT: This project will focus on replacement and/or repair to sections of sewer main outside the scope of work for the DelDOT project because of the deteriorated condition of the current facilities. The designated sections of sewer main will have a high probability of failure following the overall upgrade to South Governors Avenue as they currently show signs of severe cracking and crumbling. Repair/replacement work within this section of South Governors Avenue will not be permitted for a minimum of five years following the upgrade, and every effort is to be made to address major problems with the sewer main to minimize emergency repairs during this period.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Once the road is reconstructed by DelDOT, the City will be unable to obtain permits for this type of work for at least five years after the completion of the road project. The cost to perform these repairs following completion of the restoration work, and under an emergency capacity, would cause costs to increase dramatically.

THIS PROJECT IS RELATED TO THE FOLLOWING: South Governors Avenue Water Main Upgrade and South Governors Avenue Road Improvements (DelDOT) estimated at \$12 million.

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS: Design will be completed in Fiscal Year 2007 by DelDOT at no cost to the City; tentative construction to begin in Spring 2008

COMMENTS: McCormick Taylor is the design engineer on the road project for DelDOT and will be responsible for the design of the utility improvements. Construction will be completed under the DelDOT contract. The City is responsible for the total repair and/or replacement costs to sewer main outside of the sewer relocation areas proposed as part of the DelDOT reconstruction project. The replacement of the defective sewer lines and manhole repair will also assist with the reduction of the City's I&I problem and may qualify for credits from the County in conjunction with this issue. THE CITY OF DOVER IS REQUIRED TO PAY FOR NECESSARY SEWER MAIN REPAIRS OUTSIDE OF AREAS AFFECTED BY DELDOT'S PROJECT.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		300,000						300,000
Miscellaneous								
Other								
TOTAL		300,000						300,000

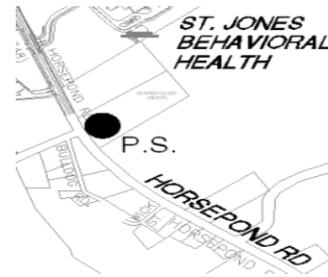
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Impact Fee Reserve		300,000						300,000
TOTAL		300,000						300,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Lafferty Lane Package Pump Station Replacement & Upgrade



FISCAL YEAR : 2008
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 6
NEW PROJECT: No

PROJECT DESCRIPTION: This project involves replacement of the Smith & Loveless package pumping station installed in 1987 by the City to provide sewer to areas with failing septic systems and to extend sewer collection service. The station is approaching its life expectancy of 20-25 years but is stricken with a severe corrosion problem and dust due to an adjacent recycling operation. The steel pumping station and all the electrical equipment and wiring have extensive corrosion due to hydrogen sulfide gas believed to be coming from the Little Creek sewage discharged into the station. The station is also in need of a capacity upgrade due to increased system pressure conditions since it has recently been connected to the Kent County Central Bypass (CTB) and has to pump all the way to the Kent County Treatment Plant in Frederica. The new station will include a packaged pumping station installed within a concrete vault and include site grading improvements, replacement of electrical equipment and ventilation equipment, and the addition of an air filtration system. The new station is anticipated to be installed with adequate capacity for anticipated basin growth.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation. Due to the danger of exposure to the gas and possible structural failure, personnel safety is of major concern. The replacement of the station provides adequate capacity to prevent surcharges and increases the safety of City staff along with workers comp claims or loss of life.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: A severe failure of the station resulting in the rental of costly bypass pumps until the station can be replaced or repaired and personal injury to staff or loss of life.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass (CTB) and was connected to the bypass in July of 2005.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Timeline is critical for safety and to meet the schedule of the fast moving Kent County Central Transmission Bypass.

COMMENTS: This station is a major hub station for the southeast side of the City and is now a metering point for sewer flows to Kent County. It currently has five contributing pumping stations within its collection system: South Little Creek Road, McDaniel Business Park (private), Bryan Business Park (private), Kent County's Little Creek Station, and the Dover Brook Gardens pumping station. Another may be added in five years (Pickering Beach). The Lafferty Corner Pumping Station was the first City of Dover pumping station to be directed into the Kent County Central Transmission Bypass and is currently pumping at the original design capacity. When the White Oak Farms and U.S. Rt. 13 East pumping stations are connected into the CTB, system pressures will increase drastically, and a capacity increase is necessary to handle peak flows.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		30,000						30,000
Land								
Construction								
Miscellaneous		200,000						200,000
Other								
TOTAL		230,000						230,000

FINANCING:

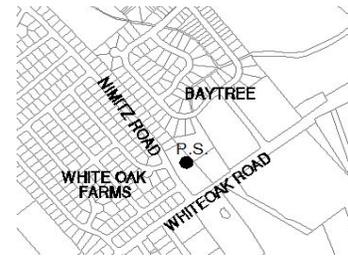
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Impact Fee Reserve		130,000						130,000
Water/Wastewater Fund		100,000						100,000
TOTAL		230,000						230,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

White Oak Farms Pumping Station VFDs

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 9
NEW PROJECT: No



PROJECT DESCRIPTION: This project will install two variable frequency drives (VFDs) for the two 75 hp motors at the White Oak Farms Pumping Station. The VFDs will be installed in parallel with the existing across-the-line motor starters and motor control cabinet. The existing starters will remain as a backup so that they can be switched back on line by a mechanic in the event of a VFD failure. The VFDs will be installed to operate on a "flow matching" principle minimizing the number of starts and stops required of the motors.

NEED, JUSTIFICATION, BENEFIT: With connection to the Kent County Central Transmission Bypass, this station will experience varying discharge head conditions, and the VFDs will allow the speed of the motors to be adjusted to best meet the new system conditions. To minimize the dangerous effects of water hammer and to prevent "check valve slam", the VFDs will start and stop the pumps by slowly "ramping" up the rpms on startup and "ramping" down at shut down. This principle also benefits the motors by controlling the inrush of electric current at motor startup and increasing the life of the motor windings.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: By delaying the project, a drive shaft failure could occur completely destroying the operation of the pumping station or a piping failure from the dangerous effects of water hammer.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass (CTB), Acorn Lane Package Pump Station Replacement

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The project should occur as soon as possible. The slow starting will prevent possible damage to the extend drive shafts of the pumps and motor mountings.

COMMENTS: The White Oak Farms Pumping Station was built in the late 1960's during the construction of the White Oak Farms and Towne Point Subdivisions. The pumping station's drainage basin has expanded to an area that also includes the following: The easterly portion of Edgehill, Independence Village, Acorn Farms, Manchester Square, Baytree, all of White Oak Road east of Mitscher Road, and various apartment complexes and highway commercial properties from St. Andrews Church to Arby's Restaurant. This station is the highest contributor on the east side of town to the Downtown basin. The station is the key station in the CTB plan because it will remove over 500,000 gallons of sewage from the Kent County #3 pumping station and Downtown basin. In 1996, the pumping station was completely renovated with a wet well expansion, all new motors, controls, pumps, piping, and generator.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		6,000						6,000
Land								
Construction								
Miscellaneous		60,000						60,000
Other								
TOTAL		66,000						66,000

FINANCING:

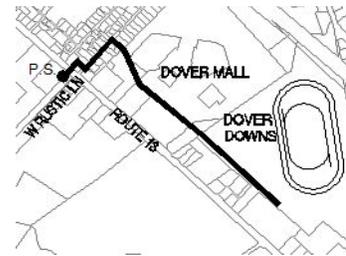
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		66,000						66,000
TOTAL		66,000						66,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

U.S. Rt. 13 East Sanitary Sewer Interceptor

FISCAL YEAR(S): 2008 - 2009
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 9
NEW PROJECT: No



PROJECT DESCRIPTION: This project will construct approximately 6,500 linear feet of various diameter gravity sewer from the entrance road to Dover Downs, Inc. to the west end of West Rustic Lane. Sewer diameters included in this project consist of 12-inch, 21-inch, 24-inch, and 27-inch.

NEED, JUSTIFICATION, BENEFIT: The proposed gravity sewer interceptor will allow the City to abandon the existing Schwartz Pumping Station immediately adjacent to US RT 13. If the gravity sewer is not constructed, the Schwartz Pumping Station must be reconstructed due to its age and accessibility problems. The life cycle costs of the proposed gravity sewer interceptor are significantly less than reconstructing the pumping station, even though the initial construction costs are higher. In addition, the gravity sewer interceptor will allow further gravity sewer extensions to the surrounding area which will allow redevelopment of properties on the east and west side of US RT 13. These properties are currently underutilized due to the lack of public sewer. This project is also necessary to redirect flow to the US RT 13 gravity basin and relieve problems at Kent County Station #2. This would be accomplished through the future redirecting of force mains from the Delaware State University, and the Delaware Tech and McKee Pumping Stations. This project will also extend sewer to the proposed convention center property.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The Schwartz Pumping Station will need major renovations estimated at \$800,000. The existing sewer system will be unable to handle growth within the area including the proposed Convention Center. Delaying or eliminating this project will also result in an extended reliance on Kent County Station #2 which is located on Denney's Road across from the Delaware Tech Campus.

THIS PROJECT IS RELATED TO THE FOLLOWING: Pump Station and Sewer Basin Study, Central Transmission Bypass Project (Kent County), Convention Center.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Approximately 1,000 linear feet of 27-inch gravity sewer was installed in FY 2007. Design, alignment and easement acquisition to be completed in Fiscal Year 2008. Construction to be completed in Fiscal Year 2009.

COMMENTS: \$150,000 has been added for construction inspection services.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	28,715	75,000						103,715
Land		10,000						10,000
Construction	330,000		2,291,800					2,621,800
Miscellaneous								
Other								
TOTAL	358,715	85,000	2,291,800					2,735,515

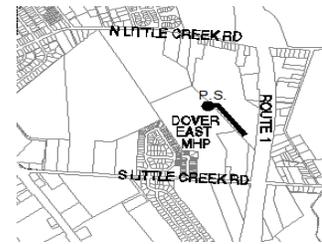
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Impact Fee Reserve	358,715	85,000	1,000,000					1,443,715
Bond Financing			1,291,800					1,291,800
TOTAL	358,715	85,000	2,291,800					2,735,515

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service			129,180	129,180	129,180	129,180		

Dover East Pumping Station and Force Main Replacement



FISCAL YEAR: 2008
PROJECT NO.:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 10
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package capsular pumping station, wet well improvements, and six-inch cast iron force main installed in 1973. The station has exceeded its anticipated life expectancy of 20-25 years and is in need of a capacity upgrade due to the increased growth in the basin. The below grade capsular station will be replaced with a wet well mounted package pumping station eliminating a confined space entry requirement. The brick wet well will need to be replaced or lined and expanded to provide additional capacity. The existing force main is six-inch cast iron approximately 6,000 feet in length and is another major factor limiting the capacity of the station. The force main will be replaced with a ten-inch diameter pipe directed away from the downtown collection system and the Kent County #3 pumping station into the Central Transmission Bypass.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation. Provide a reliable sewage pumping station for another 25 years with adequate capacity for the additional flow from the immediate vicinity due to development and failing community on-site septic systems. Staff has had various problems at the station in the past years that are attributes with a spent station, such as inoperable valves, noisy motors, vibration, loss of pump capacity, and failure of electrical control equipment.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into waterways or backup in a residence. Because of the age of the station, certain parts are no longer obtainable, and replacement of equipment is costly.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass (CTB), the routine operational replacement of old exhausted equipment

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The station is a time bomb ticking, and it is only a matter of time before a major failure occurs.

COMMENTS: This station was installed with the development of the East Dover Mobile Home Park in 1973 by Robino. The station currently handles the entire park, Barrister Place, and Stoney Creek. The station located at the northeast corner of the park lends itself to utilization by adjacent properties for connection. In the past, there have been inquiries and construction designs to connect other existing mobile home parks located directly to the north and south (Oak Grove MHP, M&S MHP, Village at Grandview). The developers of the proposed Rojan Meadows development (200 units) and Strafford Station (72 units) are anticipating a connection to the Dover East Pumping station basin.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		25,000						25,000
Land								
Construction		310,000						310,000
Miscellaneous								
Other								
TOTAL		335,000						335,000

FINANCING:

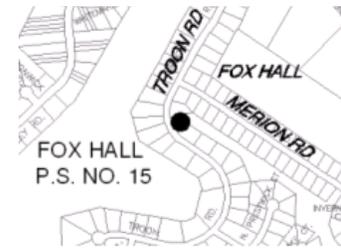
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Impact Fee Reserve		335,000						335,000
TOTAL		335,000						335,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Fox Hall Pump Station Rehabilitation

FISCAL YEAR: 2009
PROJECT NO: WW0403
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project will completely rehabilitate the wet well side of the pump station using the poly-triplex system liner.

NEED, JUSTIFICATION, BENEFIT: The wet well has deteriorated due to age and is subject to groundwater infiltration. This project was identified in the Wastewater Master Plan Technical Documents.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will result in the continued deterioration of the station and increased costs of Kent County treatment charges due to groundwater infiltration.

THIS PROJECT IS RELATED TO THE FOLLOWING: Fox Hall/Retreat Force Main Rerouting

EXPLANATION OF IMPACT ON OPERATING BUDGET: This project will slightly reduce the operating budget by reducing inflow/infiltration into the wet well. Inflow/infiltration reduction equates to a reduction in our treatment costs with Kent County due to a reduced quantity of flow.

TIME-LINE/CURRENT STATUS: Design and bid out project by September 2008; construct by June 2009.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			32,000					32,000
Land								
Construction			190,000					190,000
Miscellaneous								
Other								
TOTAL			222,000					222,000

FINANCING:

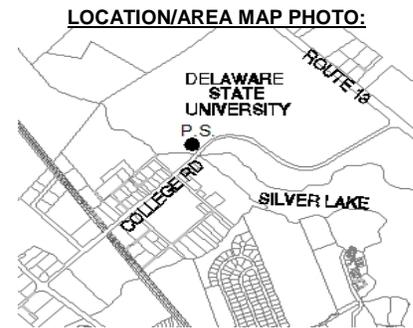
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			222,000					222,000
TOTAL			222,000					222,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Delaware State University Pumping Station Replacement

FISCAL YEAR: 2009
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 3
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package capsular pumping station and wet well replacement/relocation installed in 1975. The below grade capsular station will be replaced with a wet well mounted package pumping station, eliminating a confined space entry requirement. The station is located at the rear of Delaware State University campus adjacent to Silver Lake. The station has exceeded its anticipated life expectancy of 20-25 years. This project is anticipated to provide the capacity required for growth of the campus.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into Silver Lake

THIS PROJECT IS RELATED TO THE FOLLOWING: Delaware State University Master Plan update, routine operational replacement of old exhausted equipment

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design and bid by September 2008; install by June 2009.

COMMENTS: This station was installed by Kent County to serve the Delaware State University in the mid 1970's and transferred to the City in the late 1990's. The basin collection area includes College Road from the railroad tracks to Silver Lake and all of the University except the new University Village apartments on College Road. The station is located approximately 300 feet from Silver Lake.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			32,000					32,000
Land								
Construction			225,000					225,000
Miscellaneous								
Other								
TOTAL			257,000					257,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			257,000					257,000
TOTAL			257,000					257,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Wastewater Master Plan Update

FISCAL YEAR: 2009
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: No



PROJECT DESCRIPTION: This project will update the Wastewater Facilities Master Plan completed in 1999 to determine necessary upgrades and improvements throughout the collection and transmission system. Due to an extensive number of development projects throughout the City in previous years, an evaluation of the aging sanitary sewer system is needed. The evaluation would locate segments of the system that are over capacity (deficient) and provide a specific plan for improving the system. The plan would also provide required improvements by developers when they build within a specific collection basin. These could be a cost share agreement, total out-of-pocket expense, or construction of infrastructure by the developer contributing to the impacted system. Like the Water Master Plan, the project would include the development of a sanitary sewer system model to be turned over to the City to maintain and update as development and growth occurs.

NEED, JUSTIFICATION, BENEFIT: With the extensive growth projected in upcoming years, a plan of how the additional sewer flows are to be handled is needed to minimize the City's expenses to make the necessary improvements created by proposed development and to prevent redundant infrastructure that will need to be replaced within a few years due to more development. The proposed master plan will provide the department with a template for necessary capital improvement projects and developer contributions to the segments of the sewer system they are impacting.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying the project will require the City to be the sole responsible party for making the necessary improvements because the developer will have completed the project or been given approval without the conditions or requirements being established in the Wastewater Master Plan.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass; the Planning Offices' recent update of the Comprehensive Plan

EXPLANATION OF IMPACT ON OPERATING BUDGET: n/a

TIME-LINE/CURRENT STATUS: There are currently over 1,400 new equivalent dwelling units proposed on the east side of town and over 1,300 new equivalent dwelling units to the south and west. These developments are either in the planning stage, construction document development, or actual construction. A specific outline is needed to identify improvements necessary so that the City can stay ahead of the developers' schedules and provide to them the specific improvements or value of contributions.

COMMENTS: The recent changes in the Kent County Sewage Transmission System logic and the Comprehensive Plan need to be included in the new Wastewater Facilities Plan thinking. This project will decrease the City of Dover's Capital Improvement Budget by making the required changes to the system in order to handle the impact of the development by putting the responsibility on the developers.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			150,000					150,000
Land								
Construction								
Miscellaneous								
Other								
TOTAL			150,000					150,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			150,000					150,000
TOTAL			150,000					150,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Pump Station and Sewer Basin Study

FISCAL YEAR: 2009
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: Yes



PROJECT DESCRIPTION: This project will provide an updated analysis of the sanitary sewer basins, which was started in the Wastewater Facilities Master Plan completed in 1999, and associated pumping stations to determine necessary upgrades and improvements. Due to an extensive number of development projects throughout the City, as well as the addition of flow rerouting by the County, an evaluation of the capacity of the sewer basins, pump stations, and associated force mains is needed. The evaluation would locate areas that are over capacity (deficient) and provide a specific plan for improvement. The plan would also provide required improvements by developers when they build within a specific collection basin.

NEED, JUSTIFICATION, BENEFIT: This study will analyze the existing sewer basins and pump stations to determine upgrades and improvements necessary to handle the existing wastewater flows of the City. This study will also review the effects of the extensive growth projected within the City over the upcoming years. A plan of how the additional sewer flows are to be handled is needed to minimize the City's expenses to make necessary improvements and to prevent redundant infrastructure. This study will assist the Department in developing capital improvement projects.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: This project will assist in distinguishing upgrades or improvements required by the City due to existing wastewater flows and those required by developers due to proposed wastewater flows. Delaying the project will limit the City's ability to determine the upgrades or improvements required by developers versus those that are the sole responsibility of the City.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass; All Pump Station Improvement CIP projects.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: There are currently over 1,400 new equivalent dwelling units proposed on the east side of town and over 1,300 new equivalent dwelling units to the south and west. These developments are either in the planning, construction document development, or actual construction stages. New developmental impacts continue to be proposed each month. A specific outline is needed to identify necessary improvements so that the City can stay ahead of developer's schedules and provide to them the specific improvements required.

COMMENTS: This is a new project in and of itself, but it is a combination/reworking of two old ones: East Dover Sewer Study and Development Guidelines and Wastewater Master Plan Update. The birth and growth of the Kent County Central Transmission Bypass requires that the City redirect as much sewage flow as possible into the bypass. The primary function of this is to relieve the daily system loads on the old deteriorating Kent County Transmission System to allow for main line repairs from Dover to Rising Sun. The recent changes in the Kent County Sewage Transmission System logic need to be included in the City's development and sewer planning.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			206,000					206,000
Land								
Construction								
Miscellaneous								
Other								
TOTAL			206,000					206,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			206,000					206,000
TOTAL			206,000					206,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Acorn Lane Package Pump Station Replacement



FISCAL YEAR: 2009
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 7
NEW PROJECT: No

PROJECT DESCRIPTION: This project involves the replacement of the Smith & Loveless package pumping station installed in 1978 with the construction of the Independence Village Subdivision. The station has exceeded its life expectancy of 20-25 years. The capacity will shortly be exceeded with the addition of 500 new contributing homes (Patriot Village, Lexington Glenn, and Clearview Meadow). This project is anticipated to be completed utilizing an outside contractor.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation. Over the years the City of Dover has had to hire contractors to replace check valves and piping within the pumping station.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: A loss of capacity or failure resulting in surcharges back into the collection system; pump failure resulting in a sewage spill into waterways or backup in a residence. Because of the age of the station, certain parts are no longer obtainable, and replacement of equipment is costly.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass (CTB), White Oak Farms Pumping Station VFDs

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Replacement of the package unit will be completed in Fiscal Year 2008.

COMMENTS: This station is related to the Kent County Central Transmission Bypass because it will have to be directed in the bypass to recover lost capacity at the White Oak Farms pumping station. The Acorn Lane Pumping Station currently discharges to the White Oak Farms pumping station. When the White Oak Farms station is directed into the CTB, capacity is anticipated to decrease due to the change in discharge pressures. In order to recover the increased capacity the Acorn Lane station, flows will be directed in the CTB by pumping around the White Oak Pumping Station and removing the need for re-pumping by White Oak Farms.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			30,000					30,000
Land								
Construction			181,100					181,100
Miscellaneous								
Other								
TOTAL			211,100					211,100

FINANCING:

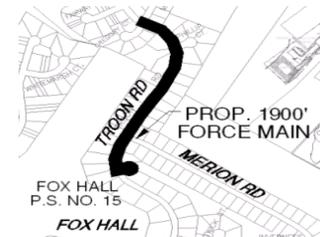
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			211,100					211,100
TOTAL			211,100					211,100

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Fox Hall/Retreat Force Main Rerouting

FISCAL YEAR: 2009
PROJECT NO: WS0503
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 8
NEW PROJECT: No



PROJECT DESCRIPTION: This project was identified in the Wastewater Master Plan Technical Documents and will reroute approximately 1,600 linear feet of six-inch and eight-inch force main exiting the Fox Hall and Retreat Pump Station. Rerouting will direct sewer currently flowing into the Walker Road basin.

NEED, JUSTIFICATION, BENEFIT: Transfer of flow from the Walker Road basin to the McKee Road basin will reduce future costs at the Walker Road Pump Station and Kent County Pump Station #3 as well as better utilization of the McKee Road infrastructure.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in continued stress on the Walker Road Pump Station in addition to increased costs for the upgrades to the Walker Road Pump Station.

THIS PROJECT IS RELATED TO THE FOLLOWING: Walker Road Pump Station Upgrade, Fox Hall Pump Station Rehabilitation Project, and Kent County Central Transmission Project

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Tentative Construction: Fiscal Year 2008 using in-house crew

COMMENTS: Rerouting of the force main will allow for the Walker Road Pump Station to function through the 20-year planning period outlined in the 1999 Wastewater Plan Technical Documents. Current alignment proposal will utilize road right-of-way to minimize the need for private easements. Work is to be completed by in-house construction.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			25,750					25,750
Land								
Construction			103,000					103,000
Miscellaneous								
Other								
TOTAL			128,750					128,750

FINANCING:

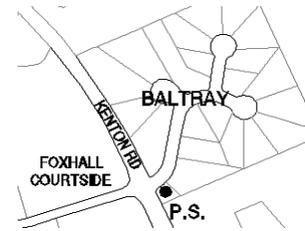
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund			128,750					128,750
TOTAL			128,750					128,750

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Baltray Pumping Station Replacement

FISCAL YEAR: 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the grinder pumping station installed with the construction of the Baltray Subdivision in 1988. The station is approaching its anticipated life expectancy of 20-25 years. The grinder pumps, rail system, and electric controls will be replaced.

NEED, JUSTIFICATION, BENEFIT: Replace the aging station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Non budgeted repair/replacement costs to maintain service.

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine operational replacement of old exhausted equipment

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design and bid out equipment in September 2010; install by June 2011.

COMMENTS: Grinder pumps require periodic repairs and replacement to maintain efficient operation. During previous pump removal, staff has noticed leaking seals and instability in the rail system for the pumps due to corrosion.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				40,000				40,000
Land								
Construction				175,000				175,000
Miscellaneous								
Other								
TOTAL				215,000				215,000

FINANCING:

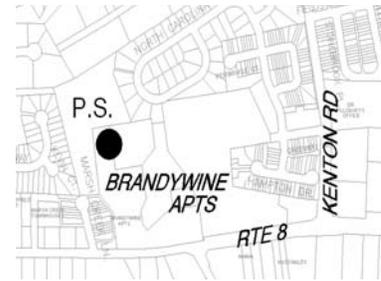
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				215,000				215,000
TOTAL				215,000				215,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Brandywine Package Pump Station Replacement

FISCAL YEAR: 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package pumping station installed in 1977. The station has exceeded its life anticipated expectancy of 20-25 years and is in need of a capacity upgrade due to the increased growth in the basin. This project is anticipated to utilize an outside contractor to replace the pumping station, electrical service panel, and SCADA equipment.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly non budgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into waterways or backup in a residence. Because of the age of the pump station, certain parts are no longer obtainable, and replacement of equipment is costly.

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine operational replacement of old exhausted equipment

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The station is a time bomb ticking, and it is only a matter of time before a major failure occurs.

COMMENTS: This station was installed for the Dover Country Club Apartments when City sewer was made available to this area. The site was previously outside the City's service area and had its own on site sewer treatment system. Over the life span of this station, it has seen increased flows with the construction of Mallard Pond, Marsh Creek, and Westwind Meadows, and the extension of service to Fox Hall Drive and possible infiltration. Based on the monthly runtime hours, the station is currently operating at 130 percent of desired capacity. Staff has observed numerous pump clogs and failures in the past years. The Dover Country Club and Brandywine Condo sewer lines are old and possibly influenced by infiltration.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				33,100				33,100
Land								
Construction								
Miscellaneous				191,500				191,500
Other								
TOTAL				224,600				224,600

FINANCING:

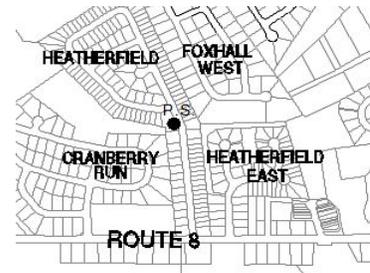
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				224,600				224,600
TOTAL				224,600				224,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Heatherfield Pumping Station Upgrade

FISCAL YEAR: 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 4
NEW PROJECT: No



PROJECT DESCRIPTION: This project calls for replacement of approximately 1,200 linear feet of existing four-inch force main with six-inch force main and downsize the existing impellers to increase the capacity of the station to over 200 gallons per minute. The increase in force main size does not require the small 1.5-hp single phase motors and electric service to be upgraded. Currently, it is not economical for the City to provide three-phase electric power to this station due to low loads required by the small horsepower motors, and it would require extending a new electric service 1,200 feet from DE Rt. 8 and three-phase transformers.

NEED, JUSTIFICATION, BENEFIT: Upgrade the force main to meet the capacity requirements incurred by the previous extension and development of the collection basin.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: A failure would result in a backup into the collection system causing a sewage spill into waterways or backups in a residences.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Wastewater Facilities Master Plan of 1998 and residential growth; a prerequisite to routine replacement of the station.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Project needs to be performed in advance of the pumping station replacement and coordinated with the street resurfacing of Stoney Drive to minimize pavement restoration costs.

COMMENTS: The station is a Smith & Loveless wet well mounted package pumping station installed in 1985 with the construction of the Heatherfield Subdivision. The station is approaching its life expectancy of 20-25 years, but is a new style station in that all mechanical and electrical equipment is above grade and accessible for routine maintenance and parts replacement. The capacity of the pumping station was exceeded with the connection of the Heatherfield East, Cranberry Run, and a portion of Fox Hall West Addition subdivisions. The current capacity utilization is 125 percent. These improvements will lower the utilization to 75 percent. The force main upgrade needs to be completed prior to the station replacement in the upcoming out years. Without replacing the force main, the pump station capacity upgrade would require ten hp motors and new electrical equipment and an electrical service upgrade to include three-phase power.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				5,200				5,200
Land								
Construction				31,100				31,100
Miscellaneous				10,400				10,400
Other								
TOTAL				46,700				46,700

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				46,700				46,700
TOTAL				46,700				46,700

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Lepore Road Pump Station Relocation

FISCAL YEAR(S): 2010 - 2011
PROJECT NO: WW0402
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: No



PROJECT DESCRIPTION: An upgrade of this station was identified in the Wastewater Master Plan Technical Documents, and the current proposal is to completely replace the aging station with a new Smith & Loveless Station to be located on adjacent lands. In addition, approximately 1,000 linear feet of gravity sewer main from Silver Mill Apartments to the proposed station location will be replaced.

NEED, JUSTIFICATION, BENEFIT: The existing pumps are oversized and inefficient. Therefore, new pumps will be sized for the correct capacity of the wet well. The brick wet well is subject to the groundwater infiltration.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in the continued deterioration of the infrastructure necessitating the need for more extensive repairs in the future.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design by consultant in Fiscal Year 2010; construction by private contractor in Fiscal Year 2011.

COMMENTS: This project will have a slight impact on our Inflow and Infiltration problem. In addition, \$50,000 has been added for construction inspection services.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				67,300				67,300
Land								
Construction					388,100			388,100
Miscellaneous								
Other								
TOTAL				67,300	388,100			455,400

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				67,300	388,100			455,400
TOTAL				67,300	388,100			455,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

DuPont Manor Residential District Sewer Expansion



FISCAL YEAR(S): 2010 - 2012
PROJECT NO: WW0603
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 6
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project includes construction of approximately 3,850 linear feet of ten-inch diameter PVC gravity sewer to serve the residential section of DuPont Manor.

NEED, JUSTIFICATION, BENEFIT: The 1999 Wastewater Master Plan Technical Documents identified the area as currently served by private on-site septic systems and private wells nearing the end of their design life. Several property owners have contacted the City expressing interest in connecting to public sewer once it is made available.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continued use of private on-site septic systems that are failing. The failing systems ultimately reduce property values and could contaminate shallow private drinking water wells in the area.

THIS PROJECT IS RELATED TO THE FOLLOWING: DuPont Manor Residential District Water System Expansion

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design - Fiscal Year 2010; construction - Fiscal Years 2011 and 2012.

COMMENTS: This area is targeted for possible annexation since it is mostly surrounded by property within the City limits.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				25,900				25,900
Land								
Construction					207,000	214,200		421,200
Miscellaneous								
Other								
TOTAL				25,900	207,000	214,200		447,100

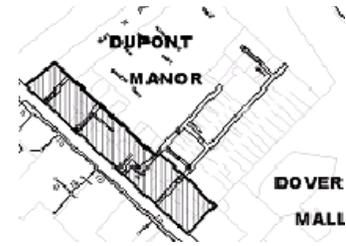
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				25,900	207,000	214,200		447,100
TOTAL				25,900	207,000	214,200		447,100

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Dupont Manor Commercial District Sewer Expansion



FISCAL YEAR(S): 2010 - 2012
PROJECT NO: WW0601
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 7
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project includes construction of approximately 3,300 linear feet of eight-inch diameter PVC gravity sewer in the Dupont Manor commercial district of U.S. Rt. 13.

NEED, JUSTIFICATION, BENEFIT: The Wastewater Master Plan Technical Documents identified this area as currently served by private on-site septic systems and private wells. There is a need for public sewer in order to redevelop this commercial area.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Undervaluation of properties in this section of U.S. Rt. 13 and continued use of private septic systems.

THIS PROJECT IS RELATED TO THE FOLLOWING: Central Transmission Bypass Project (Kent County), U.S. Rt. 13 East Interceptor Sewer Project

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design - Fiscal Year 2010; construction - Fiscal Years 2011 and 2012

COMMENTS: The total cost for this project has been reduced from \$660,000 in Fiscal Year 2004-2008 CIPs to \$500,600. The reduction in cost is related to the East Dover Bypass Project. Kent County is proposing to construct approximately 1,600 linear feet of main to remove Kentwood Mobile Home Park from the County's force main in U.S. Rt. 13.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				42,800				42,800
Land								
Construction					225,000	232,800		457,800
Miscellaneous								
Other								
TOTAL				42,800	225,000	232,800		500,600

FINANCING:

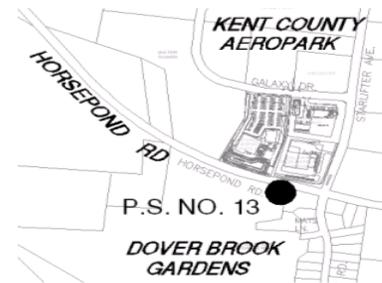
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund				42,800	225,000	232,800		500,600
TOTAL				42,800	225,000	232,800		500,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Dover Brook Gardens Pump Station Upgrade

FISCAL YEAR: 2011
PROJECT NO: WW0502
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project would construct a force main priming loop to insure that adequate back pressure is provided to the check valves to maintain prime on the vacuum primed Smith & Loveless pumps and upgrade to maintain or increase capacity. The loop is to create a high point in the force main above the pumps to provide a column of water against the check valves. The existing force main was originally installed with a constant slope away from the station to the receiving gravity sewer manhole. The force main drains by gravity away from the check valves providing very little static water pressure to hold check valves closed.

NEED, JUSTIFICATION, BENEFIT: Reduce maintenance time of cleaning check valves weekly and on-call or overtime pay when the pumps lose prime

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into waterways; increased maintenance time and emergency call-out overtime pay

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine operational improvement of existing infrastructure

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The station has exceeded its life cycle, and it is only a matter of time before a major failure occurs.

COMMENTS: Originally this station was recommended to have a channel grinder installed on the influent piping which currently is not necessary due to the recent closure of the Sunroc facility within the Kent County Aeropark. Staff has observed numerous high wet well alarms due to pump loss of prime.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					10,400			10,400
Land								
Construction					31,100			31,100
Miscellaneous								
Other								
TOTAL					41,500			41,500

FINANCING:

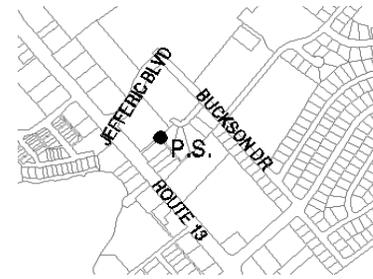
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					41,500			41,500
TOTAL					41,500			41,500

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Rolling Acres Pumping Station Replacement

FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 3
NEW PROJECT: No



PROJECT DESCRIPTION: This project calls for replacement of the Smith & Loveless package pumping station installed in 1973 in order to handle the commercial areas from Harrington Realty Shopping Center to the Howard Johnson Hotel. The station has exceeded its life anticipated expectancy of 20-25 years and is in need of a capacity upgrade due to the high peak inflow rates.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly unbudgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into waterway or backup in a residence. Due to the age of the station, certain parts are no longer obtainable, and replacement of equipment is costly.

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine operational replacement of old exhausted equipment.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The station has exceeded its life cycle, and it is only a matter of time before a major failure occurs.

COMMENTS: Over the life span of this station, it has seen minimal increased flows but experiences periods of high inflow rates due to the hotel occupancy and is susceptible to possible inflow/infiltration due to the redeveloping of the old Bike Line site. Staff has observed numerous pump high wet well alarms due to high inflows and increased runtimes during wet months.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					41,400			41,400
Land								
Construction					181,100			181,100
Miscellaneous								
Other								
TOTAL					222,500			222,500

FINANCING:

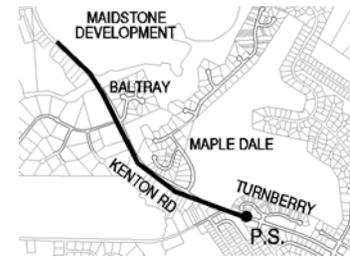
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					222,500			222,500
TOTAL					222,500			222,500

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Turnberry Force Main Redirect

FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 4
NEW PROJECT: No



PROJECT DESCRIPTION: This project will redirect the sanitary sewage handled by the Turnberry Pumping Station to the McKee Pumping Station drainage basin where it can be re-pumped into the Central Transmission Bypass (CTB). Project consists of approximately 6,000 linear feet of eight-inch force main from the Turnberry Station to Mudstone Interceptor in the Maidstone Subdivision at the intersection of Denney's and Kenton Roads. The project will require a rotating assembly change to increase the motor horsepower and pump rate.

NEED, JUSTIFICATION, BENEFIT: To provide adequate pump rates to meet the demand of new development in this basin and minimize backups in the receiving gravity sewers, the high flows added need to be redirected to relieve the overcapacity receiving sewers. This allows for more efficient utilization of the McKee Pumping Station and lowers the chance of a backup of sewer into basements due to the current layout.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continued stress on the Walker Road station.

THIS PROJECT IS RELATED TO THE FOLLOWING: This project is in line with the Kent County Central Transmission Bypass (KCCTB) project to redirect flows away from the Downtown drainage basin and Kent County Pumping Station #2.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Project to be completed by June 2011.

COMMENTS: This project is primarily dependent of the development in this area. The receiving sewer downstream of the Turnberry Station is nearing capacity with the increased discharges within the Turnberry collection basin.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					45,000			45,000
Land								
Construction					325,000			325,000
Miscellaneous								
Other								
TOTAL					370,000			370,000

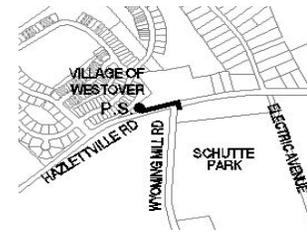
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					370,000			370,000
TOTAL					370,000			370,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Westover Pumping Station and Force Main Upgrade



FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 4
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project includes the upgrade of the Smith & Loveless pumping station and force main installed in 1994. The pump station's available capacity will be consumed with the build out of the Village of Cannon Mills and will be in need of additional capacity in order to be able receive additional flow from the west. The project will include replacement of interior six-inch suction and discharge piping with eight-inch pipe, upgrade 1,400 feet of six-inch force main to 12-inch diameter pipe from the station to Electric Avenue.

NEED, JUSTIFICATION, BENEFIT: Provide adequate capacity to receive additional sewage flow from the immediate vicinity due to development and annexation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Possible pipe rupture due to high head pressures and water hammer - A rupture could cause the station to flood, damaging the motors and controls or spilling raw sewage into the Puncheon Run stream.

THIS PROJECT IS RELATED TO THE FOLLOWING: The Planning office's recent update of the Comprehensive Plan and development of the Carey Farm; if the Puncheon Run Sewer Extension remains in the CIP program, this project will not be required.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Meet the development and growth schedule to the west of the City - Project to be completed by June 2011.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					20,700			20,700
Land								
Construction					93,200			93,200
Miscellaneous					20,700			20,700
Other								
TOTAL					134,600			134,600

FINANCING:

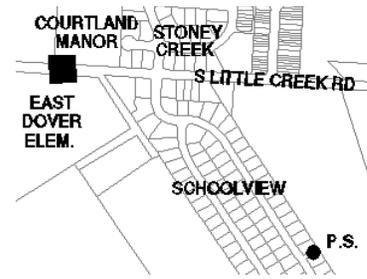
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					134,600			134,600
TOTAL					134,600			134,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Schoolview Pumping Station Force Main Redirect

FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: No



PROJECT DESCRIPTION: This project entails redirecting all the flows from the Schoolview sewer collection system into the Central Dover Bypass. The project requires a jack and bore across South Little Creek Road and tying into an existing gravity system (Clearview Meadow or Stoney Creek Subdivisions).

NEED, JUSTIFICATION, BENEFIT: Compliance with the Kent County Central Transmission Bypass logic and provide addition capacity for future growth within the downtown sewer collection basin.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Non-conformance with CTB

THIS PROJECT IS RELATED TO THE FOLLOWING: The Kent County Central Transmission Bypass (CTB) and East Dover Sewer Study and Development Guidelines

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Project must take place after adequate capacity is available in the receiving sewer system to north. Project to be completed by June 2011.

COMMENTS: The Schoolview Pumping Station is a Smith & Loveless below-grade capsular package pumping station installed in 1967 to serve the Schoolview subdivision. In past years, the station has seen additional contributions from Tudor Industrial Park. The station was incorrectly upgraded in 1990 by Tudor Electric which replaced the original five horsepower motors with 25 horsepower motors and larger pumps. The installation created high head pressures resulting in very destructive discharge cavitation. In 1998, after another series of sewer backups, the City replaced the four-inch cast iron force mains with a six-inch PVC pipe and replaced the pumps with 7.5 horsepower pumps eliminating the cavitation. To date we have had no reported backups. The station possibly will be receiving additional flow from the Stover Professional Campus and vacant lands of the Blue Hen Corporate Center. Prior to connection, Stover Homes will be responsible for providing additional wet well storage and a fixed auxiliary generator to run the station in the event of a power failure. The birth and growth of the Kent County Central Transmission Bypass requires that the City redirect as much sewage flow as possible into the bypass. This principle's primary function is to relieve the daily system loads on the old deteriorating Kent County Transmission System to allow for mainline repairs from Dover to Rising Sun and provide additional capacity for future growth in Kent County.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					40,000			40,000
Land								
Construction					100,000			100,000
Miscellaneous								
Other								
TOTAL					140,000			140,000

FINANCING:

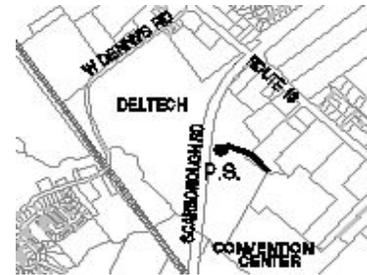
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					140,000			140,000
TOTAL					140,000			140,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Delaware Tech Pumping Station Replacement/Redirect

FISCAL YEAR: 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 5
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package capsular pumping station and wet well replacement/relocation installed in 1975. The below-grade capsular station will be replaced with a wet well mounted package pumping station eliminating a confined space entry requirement. The station is located at the rear of the Delaware Tech campus on the corner of Scarborough Road and Crawford Carroll Avenue. The station has exceeded its anticipated life expectancy of 20-25 years.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly unbudgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into Silver Lake.

THIS PROJECT IS RELATED TO THE FOLLOWING: McKee Road Force main rerouting, West Rustic Lane Interceptor Sewer Extension, Kent County Central Transmission Bypass (CTB), and routine operational replacement of old exhausted equipment.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Order equipment BY August 2010; install by June 2011.

COMMENTS: This station was installed by Kent County to serve the Delaware Tech and Delaware State University campuses in the mid 1970s and transferred to the City in the late 1990s. The pumping station handles the Delaware Tech Terry Campus complex and the sewage from the Delaware State University Pumping Station. The station currently re-pumps all the sewage from the DSU to the Kent County Pumping Station #2 on Denney's Road. With the construction of the West Rustic Lane Interceptor Sewer Extension, the force main from DSU pumping station will be directed away from the Del Tech station and into the new interceptor. The Del Tech pumping station will be re-directed through the former DSU force main also into the interceptor. This diversion is in compliance with Kent Count Central Transmission Bypass (KCCTB) and will take approximately a quarter of a million gallons per day away from the aged county system and place it in the KCCTB.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					41,400			41,400
Land								
Construction					134,600			134,600
Miscellaneous					46,600			46,600
Other								
TOTAL					222,600			222,600

FINANCING:

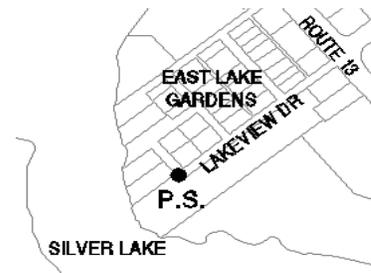
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund					222,600			222,600
TOTAL					222,600			222,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Lakeview Drive Pumping Station Replacement

FISCAL YEAR: 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package capsular pumping station and wet well replacement/relocation installed in 1971. The below grade capsular station will be replaced with a wet well mounted package pumping station eliminating a confined space entry requirement. The station is currently located within the roadway of Lakeview Drive and requires a hoist to remove the manhole cover to gain access to the station. The location of the westerly right-of-way will need to be determined to verify if adequate space is available for the installation of a new wet well. The brick wet well will need to be replaced or lined. If the station cannot be relocated out of the roadway, modifications to the roadway will be required. These modifications will include road width narrowing and installation of curbing and protective barriers in the area of the new above grade pumping station. The station has exceeded its anticipated life expectancy of 20-25 years.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly unbudgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into Silver Lake or backup in residential areas.

THIS PROJECT IS RELATED TO THE FOLLOWING: The routine operational replacement of old exhausted equipment.

EXPLANATION OF IMPACT ON OPERATING BUDGET: n/a

TIME-LINE/CURRENT STATUS: The station has exceeded its life expectancy, and it is only a matter of time before a major failure occurs.

COMMENTS: This station was installed by the City of Dover to serve the East Lake Gardens neighborhood in 1971. The basin collection area includes East Lake Gardens, Chatham Cove, and the highway commercial properties from Tony's Bicycle Shop to Garden Lane. The station is located at the end of Lake View Drive about 300 feet from Silver Lake.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design						46,600		46,600
Land						15,500		15,500
Construction						310,500		310,500
Miscellaneous								
Other								
TOTAL						372,600		372,600

FINANCING:

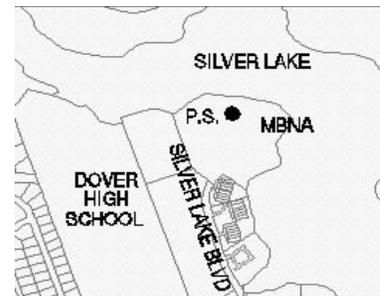
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund						372,600		372,600
TOTAL						372,600		372,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Silver Lake Pumping Station Replacement/Upgrade

FISCAL YEAR: 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project includes the replacement of the Smith & Loveless package wet well mounted pumping station installed in 1982. The station is currently adjacent to the MBNA building at the north end of Silver Lake Boulevard. The station is approaching its anticipated life expectancy of 20-25 years. This project is anticipated to provide adequate capacity for future contributing flow from now vacant land.

NEED, JUSTIFICATION, BENEFIT: Replace the aged station with a completely new station to prevent the need for costly unbudgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Pump failure resulting in a sewage spill into Silver Lake or backup in residential areas.

THIS PROJECT IS RELATED TO THE FOLLOWING: The routine operational replacement of old exhausted equipment and future flow contribution.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Order equipment in August 2011; install by June 2012.

COMMENTS: The station is located about 300 feet from Silver Lake. The electrical panel was replaced in 2000.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design						41,400		41,400
Land								
Construction						103,500		103,500
Miscellaneous						41,400		41,400
Other								
TOTAL						186,300		186,300

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund						186,300		186,300
TOTAL						186,300		186,300

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

McKee Road Pumping Station Communator Replacement



FISCAL YEAR: 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project includes the replacement of the comunator at the influent line to the pumping station installed in 1995. This acts as a screen/grinder at the influent side of the station, cutting or stopping large debris from entering the wet well and clogging the pumps. The comunator motor has run 24/7 since the initial startup of the pumping station.

NEED, JUSTIFICATION, BENEFIT: Replace the aging equipment to prevent the need for costly unbudgeted repairs to maintain operation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Unbudgeted costly repairs to comunator and damage to a pump when failure occurs.

THIS PROJECT IS RELATED TO THE FOLLOWING: Routine replacement of old exhausted equipment.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Bid equipment and install in the spring of Fiscal Year 2008.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other						33,100		33,100
TOTAL						33,100		33,100

FINANCING:

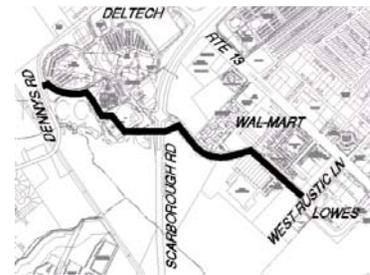
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund						33,100		33,100
TOTAL						33,100		33,100

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

McKee Road Force Main Rerouting

FISCAL YEAR: 2012
PROJECT NO: WW0604
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Wastewater Mgmt
DEPT. RANKING: 7
NEW PROJECT: No



PROJECT DESCRIPTION: This project will reroute approximately 5,000 linear feet of the existing 16-inch force main from the McKee Road Pumping Station which currently dumps into Kent County Station #2. The new alignment will cross the Delaware Tech Campus and follow the right-of-way of Crawford Carroll Avenue before ending at the West Rustic Lane Interceptor Sewer Extension located on the former Frazier Pit Site.

NEED, JUSTIFICATION, BENEFIT: This project will transfer wastewater flows from the County's US RT 13 force main to the new East Dover Bypass which will allow continued development in the City.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: This project will alleviate control problems at Kent County Station #2 that are pump-station related.

THIS PROJECT IS RELATED TO THE FOLLOWING: Central Transmission Bypass (Kent County), West Rustic Lane Interceptor Sewer.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Conceptual Design: Fiscal Year 2012; construction: Fiscal Year 2013.

COMMENTS: It is anticipated that the majority of the construction work would be performed in-house.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design						88,000		88,000
Land								
Construction							336,400	336,400
Miscellaneous								
Other								
TOTAL						88,000	336,400	424,400

FINANCING:

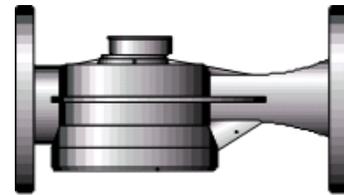
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund						88,000	336,400	424,400
TOTAL						88,000	336,400	424,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Meter Reading Technology Upgrade

FISCAL YEAR(S): 2008 - 2009
PROJECT NO: WS0603
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project will convert touch reading water meter technology to radio reading technology on approximately 4,000 water meters per year based on two meter technicians.

NEED, JUSTIFICATION, BENEFIT: The project will significantly increase meter reading efficiency by reducing manpower costs over the long term.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will result in an increased manpower demand due to the increasing number of water meters and the increase in the size of the water service territory.

THIS PROJECT IS RELATED TO THE FOLLOWING: The conversion of electric meters to similar technology

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Approximately 2,784 meters have been converted through Fiscal Year 2007.

COMMENTS: All work on this project is completed by City staff assigned to the water utility. Out-year costs have been increased by three percent per year. The total number of water meters in the City's system is estimated to be 13,100. Cost avoidance of hiring one additional meter reader is estimated to be \$42,872 in Fiscal Year 2006 dollars. This includes salary, benefits, vehicle, maintenance, and equipment.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous	225,000	183,150	147,250					555,400
Other								
TOTAL	225,000	183,150	147,250					555,400

FINANCING:

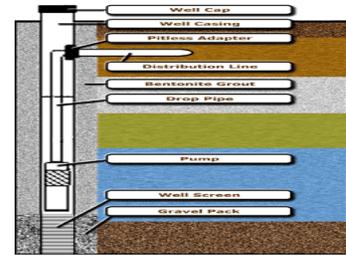
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	225,000	183,150	147,250					555,400
TOTAL	225,000	183,150	147,250					555,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Wellhead Redevelopment Program

FISCAL YEAR(S): 2008 - 2012
PROJECT NO: WS0606
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project will provide for rehabilitation and repair of each deep wellhead in an effort to maintain operations and/or increase the yield of each well as it relates to the permitted allocation.

NEED, JUSTIFICATION, BENEFIT: The well screening and gravel pack requires cleaning over time due to a buildup of mineral deposits and foreign materials such as clay and silt. This maintenance effort is critical to ensure that production can continue to meet demand. It is also necessary to maintain the operational aspects of each well and provide repairs as needed to minimize downtime to maintain system capacity.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in the continued deterioration of the well screen, gravel pack, and well yield over time. It would also result in increased well downtime, emergency repairs, and decreased capacity. These issues can lead to increased flow pattern changes and water quality concerns.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: Improved operating efficiencies at the wellhead will slightly reduce power costs, but this savings has not been quantified.

TIME-LINE/CURRENT STATUS: Tentative Schedule: Fiscal Year 2008 total well inspection and testing; Wells for out years will be determined based on Fiscal Year 2008.

COMMENTS: Fiscal Year 2005: Wells #8, #10, and #11 were completed. Fiscal Year 2006: Wells #2 and #6 were completed.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	185,962	45,000	50,000	55,000	60,000	65,000	70,000	530,962
Miscellaneous								
Other								
TOTAL	185,962	45,000	50,000	55,000	60,000	65,000	70,000	530,962

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	185,962	45,000	50,000	55,000	60,000	65,000	70,000	530,962
TOTAL	185,962	45,000	50,000	55,000	60,000	65,000	70,000	530,962

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Wellhead VFD Upgrades



FISCAL YEAR(S): 2008 - 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: This project will purchase and install Variable Frequency Drives (VFDs) at deep well facilities.

NEED, JUSTIFICATION, BENEFIT: This project will provide additional production draw control and reduce water hammer and flow reversals resulting from wells turning on and off which can lead to water quality concerns.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: In order to address water quality concerns, it is necessary to implement system improvements, including water production improvements, to provide further operational control of the water system. Delaying this project will delay the ability to address water quality issues.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Three VFDs have been purchased. The installation of two of them (Well #6 and Well #10) was completed in Fiscal Year 2006, the VFD for Well #2 is being installed in Fiscal Year 2007. VFDs for Well #11, Well #13R, and Well #15 are proposed for installation in Fiscal Year 2008. The proposed cost schedule will complete VFD installation at all appropriate facilities.

COMMENTS: Specifying the appropriate VFD for each well to be provided by a consultant. Installation of VFDs is to be provided by an outside contractor. Out-year costs have been increased at 3.5 percent per year. Providing water production controls supports the ability to defray the costs of water main relining and/or replacement over time rather than requiring additional funding in the short term to address the worst mains.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		9,000	6,200	6,400	6,600			28,200
Land								
Construction								
Miscellaneous		113,000	78,000	80,700	83,500			355,200
Other								
TOTAL		122,000	84,200	87,100	90,100			383,400

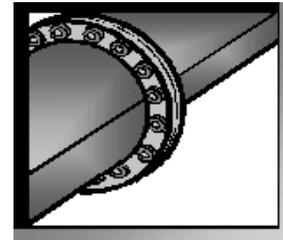
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		122,000	84,200	87,100	90,100			383,400
TOTAL		122,000	84,200	87,100	90,100			383,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Water Quality Improvements



FISCAL YEAR(S): 2008 - 2012
PROJECT NO: WS0502
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 5
NEW PROJECT: No

PROJECT DESCRIPTION: This project was first identified by staff and the 2004 Water Master Plan Update, and has since become further refined with the Fiscal Year 2006 Water Quality Evaluation. Projects to be included under this category primarily consists of additional water system monitoring; replacement or relining of old unlined cast iron water main within the City's water distribution system; design and installation of piping at deep wells to improve contact time; installation within the City's water distribution system; design and installation of piping at deep wells to improve contact time; installation of on-line analyzers to monitor water quality parameters at all source water locations; system upgrades to improve system control; and utilization of a consultant to develop a water quality modeling component to the existing hydraulic model to perform corrosion coupon testing, and to provide additional design and evaluation services, as needed.

NEED, JUSTIFICATION, BENEFIT: Water quality complaints have eroded consumer confidence in the City's water supply as the water is perceived to be aesthetically unpleasant. In order to reduce complaints and potentially alleviate this problem, it is necessary to implement the improvements identified by staff, the 2004 Water Master Plan Update, and the Fiscal Year 2006 Water Quality Evaluation.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will prolong the customer dissatisfaction and further erode confidence in the City's water supply. In addition, the City will continue to have to reimburse customers for damaged clothing resulting from the brown water.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: Addressing the brown water and associated water quality concerns of the City's water system will not only require capital improvements to the system but also operational changes. Some operational changes will result in no net effect on the operating budget, while others will need to be addressed in the development of future operating budgets. Such items include tolls and supplies necessary to improve system sampling and monitoring as well as tools and supplies necessary to improve system-wide flushing operations.

TIME-LINE/CURRENT STATUS: The primary Water Quality Improvement project completed to date consists of the replacement of unlined eight-inch and 14 inch cast iron pipe in Division Street between State Street and Bayard Avenue. It is anticipated that by the start of Fiscal Year 2008, the contact time designs will be completed, and installation will be underway. Operational efforts such as flushing will occur on a continuous basis. The proposed costs reflect the potential need to obtain and/or purchase easements.

COMMENTS: Replacement/relining schedules must be coordinated with other improvement projects to be cost effective especially when proposing to replace a line. Potential service interruptions during relining projects must also be considered. Costs have increased from previous budget years based upon recommendations from the 2004 Water Master Plan Update and Fiscal Year 2006 Water Quality Evaluation, in order to implement an effective program. It may be necessary to implement a multi-year contract in order to achieve the goals of this program. Original project estimates provided in the 2004 Water Master Plan Update were based upon 2005 dollars. Out-year costs have been increased by 3.5 percent per year. (Formerly titled "Cast Iron Main Replacement.")

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		225,000	50,000	52,000	54,000	56,000	58,000	495,000
Land		240,000						240,000
Construction	350,000	450,000	1,537,000	1,108,700	1,147,500	1,187,700	1,229,300	7,010,200
Miscellaneous								
Other								
TOTAL	350,000	915,000	1,587,000	1,160,700	1,201,500	1,243,700	1,287,300	7,745,200

FINANCING:

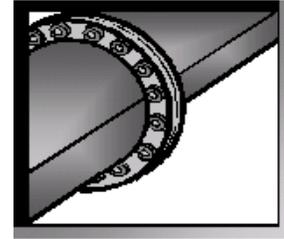
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	350,000	915,000	1,587,000	1,160,700	1,201,500	1,243,700	1,287,300	7,745,200
TOTAL	350,000	915,000	1,587,000	1,160,700	1,201,500	1,243,700	1,287,300	7,745,200

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Operating Costs	-1,300	-500	-500	-500				-2,800

Miscellaneous Distribution System Improvements

FISCAL YEAR(S): 2008 - 2012
PROJECT NO: WS0602
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 6
NEW PROJECT: No



PROJECT DESCRIPTION: This project will eliminate hydraulically inefficient water mains throughout the City by interconnecting dead ends with existing mains already in place, removing bottlenecks within the system, and installing improvements identified by the flushing program. In addition, these funds can be used to partner with private developers to oversize future mains to meet the long-term goals of the utility.

NEED, JUSTIFICATION, BENEFIT: Existing dead end mains and bottlenecks do not provide adequate circulation within the water system. The result is stagnant water which continually produces complaints from residents. Implementing improvements identified by the flushing program will aid in improved operational control of the system. Missing opportunities to oversize strategic mains will result in higher construction costs in the future.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in continued complaints from customers and residents regarding water quality and missed opportunities to expand the transmission and distribution system.

THIS PROJECT IS RELATED TO THE FOLLOWING: Private development for the over sizing of the mains and water quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: This is an ongoing annual program. We identify, plan, and construct improvements each year.

COMMENTS: All work will be done using in-house construction, and costs are for materials used to make water main improvements only. All costs for over sizing will be paid to private developers through negotiated cost and public works agreements. This project is an ongoing project. Cost estimates for this project are based on historical averages. (This project was called "Dead End Water Main Removal" in the 2003-2007 CIP.) Fiscal Year 2000: Clara Street Water Main Interconnection - \$13,624, Mallard Pond/Heatherfield East Water Main Interconnection - \$8,602 Fiscal Year 2001: Queen Street Water Main Extension - \$5,488, New Castle Avenue Water Main Relocation - \$1,651, Towne Point/Leipic Rd. Water Main Interconnection - \$27,76, Heatherfield/Westfield Water Main Interconnection - \$2,139, Fiscal Year 2002: Old Rudnick Lane Water Main Interconnection - \$10,395, U.S. 13 Water Main Oversize (Wawa) - \$16,200, Water Street Water Main Interconnection - \$5,600, Fiscal Year 2003: Wild Meadows Water Main Upgrade - \$8,739, Weston Drive Water Main Upgrade - \$13,647. Fiscal Year 2004: No projects moved to construction. Fiscal Year 2005: Woodburn Circle Water Main Replacement - \$9,118, Lakeland Water Main Ext. (Tidewater Utilities) - \$13,503, Hidden Creek Water Main Upgrade - \$24,551, Sackarackin Avenue Water Main Replacement - \$25,080, Wild Meadows Water Main Upgrade - \$8,739.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	278,948	55,000	60,000	65,000	70,000	75,000		603,948
Miscellaneous								
Other								
TOTAL	278,948	55,000	60,000	65,000	70,000	75,000		603,948

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	278,948	55,000	60,000	65,000	70,000	75,000		603,948
TOTAL	278,948	55,000	60,000	65,000	70,000	75,000		603,948

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Remote Control and Monitor Wells

FISCAL YEAR(S): 2008 - 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 7
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would provide new water meters for the production wells.

NEED, JUSTIFICATION, BENEFIT: This project will replace existing water meters with new flow meters to improve accuracy, totalization, compatibility, and monitoring ability with the SCADA system. This project will also improve VFD control and increase the ability to comply with reporting requirements.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in the continuation of less than adequate control of wells and monitoring ability.

THIS PROJECT IS RELATED TO THE FOLLOWING: Emergency Generators (wells), Water Quality.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Tentative schedule: Implementation in Fiscal Years 2008 and 2010.

COMMENTS: Provision of new flow meters was recommended in the 2004 Water Master Plan Update with original project estimates based upon 2005 dollars. Out-year costs have been increased at 3.5 percent per year.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		139,700		150,100				289,800
Other								
TOTAL		139,700		150,100				289,800

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		139,700		150,100				289,800
TOTAL		139,700		150,100				289,800

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Emergency Generators (Wells)

FISCAL YEAR(S): 2008 - 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 8
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would provide emergency generators for the 12 production wells.

NEED, JUSTIFICATION, BENEFIT: This project will provide emergency power to wells for continued water production and reliability in the event of power disruptions or other emergencies.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in reduced or suspended water service in the event of power disruptions or other emergencies.

THIS PROJECT IS RELATED TO THE FOLLOWING: Remote Control and Monitor Wells, Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Portable or fixed generators are currently not available to most of the deep wells. The Water Treatment Plant is equipped with a fixed generator.

COMMENTS: Provision of standby generators at each well facility was recommended in the 2004 Water Master Plan Update with original project estimates based upon 2005 dollars. Out-year costs have been increased at 3.5 percent per year. Additional funding resources such as Homeland Security funding, may become available for this program. (The generator located at Well #10 was purchased with Homeland Security funding.)

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous		140,000		150,000				290,000
Other								
TOTAL		140,000		150,000				290,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Homeland Security Grant		140,000		150,000				290,000
TOTAL		140,000		150,000				290,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

1.0 MG Elevated Water Storage Tower



FISCAL YEAR(S): 2008 - 2010
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 9
NEW PROJECT: No

PROJECT DESCRIPTION: The proposed project, identified by staff and confirmed by the 2004 Water Master Plan Update, will construct a new 1.0 million gallon elevated storage tank within the distribution system.

NEED, JUSTIFICATION, BENEFIT: This project was determined necessary by the 2004 Water Master Plan update in order to meet future storage volume requirements based upon demands and to aid in reducing low pressure areas and enhance fire suppression capability.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: The City's western and southern territories will experience pressure fluctuations due to changes in demand. In addition, fire suppression measures could be affected.

THIS PROJECT IS RELATED TO THE FOLLOWING: Piney Point Well, Southeast Water Loop, franchise and service territory expansion to the west and south; possible future interconnections with Dover Air Force Base, Tidewater Utilities, and the Camden/Wyoming Sewer & Water Authority.

EXPLANATION OF IMPACT ON OPERATING BUDGET: The impact on the operating budget has not been analyzed at this time.

TIME-LINE/CURRENT STATUS: Planning is proposed for Fiscal Year 2008. Design and site procurement are planned for Fiscal Year 2009. Construction is planned for Fiscal Year 2010.

COMMENTS: Original project costs were provided in the 2004 Water Master Plan based upon 2005 dollars. Out-year costs have been increased by 3.5 percent per year. Contractual services will be required to assist with planning, design, site selection, land acquisition, and construction. Land costs are based upon the estimated need of two acres of land for the project.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		55,000	95,000					150,000
Land			1,760,000					1,760,000
Construction				2,286,600				2,286,600
Miscellaneous								
Other								
TOTAL		55,000	1,855,000	2,286,600				4,196,600

FINANCING:

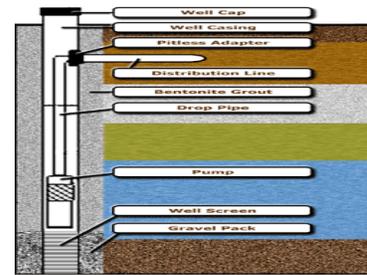
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		55,000						55,000
Bond Financing			1,855,000	2,286,600				4,141,600
TOTAL		55,000	1,855,000	2,286,600				4,196,600

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service			414,160	414,160				828,320

Piney Point Well

FISCAL YEAR(S): 2008 - 2010
PROJECT NO: WS0701
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 10
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified by staff and confirmed by the 2004 Water Master Plan Update, proposes the drilling of a new Piney Point Aquifer Production Well to increase production capacity up to our current permitted allocation as well as increase system pressure and stabilize the chlorine residuals of the City.

NEED, JUSTIFICATION, BENEFIT: A reduction in long-term yield from our Piney Point Well is causing a greater reliance on our more costly aquifers.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in the continued reduction in our production capabilities under our permitted allocation.

THIS PROJECT IS RELATED TO THE FOLLOWING: 1.0 MG Elevated Water Storage Tank

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Planning is proposed for Fiscal Year 2008. Design and site procurement are planned for Fiscal Year 2009. Construction to be completed in Fiscal Year 2010.

COMMENTS: The specific location of a proposed wellhead has not been determined at this time. The location will be selected with the assistance of a consultant during the planning and design phase. In addition, the yield from a new production well may allow us to abandon some of our poorly performing wells. Costs identified in the 2004 Water Master Plan Update have been increased based upon 3.5 percent per year. Land costs are based upon the need of 1/2 acre of land for the project.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		10,000	75,000					85,000
Land			55,000					55,000
Construction				258,800				258,800
Miscellaneous								
Other								
TOTAL		10,000	130,000	258,800				398,800

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		10,000	130,000	258,800				398,800
TOTAL		10,000	130,000	258,800				398,800

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Scarborough Road Interconnection (Tidewater Utilities)

FISCAL YEAR: 2008
PROJECT NO: WD0601
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 11
NEW PROJECT: No



PROJECT DESCRIPTION: Design and construction of a permanent metering setup in Fiscal Year 2008 is to occur. The Fiscal Year 2007 project extended a 12-inch diameter water main from the northeast side of the intersection of the U.S. Rt. 13 and Scarborough in an easterly direction approximately 2,000 linear feet to connect with the Tidewater Utilities infrastructure which traverses the Wilmington College property.

NEED, JUSTIFICATION, BENEFIT: This interconnection will provide a potential financial benefit to the City through sales of bulk water to Tidewater Utilities at the interconnection site.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Loss of stable customer opportunity.

THIS PROJECT IS RELATED TO THE FOLLOWING: 2004 Tidewater Utilities Negotiations.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS:

COMMENTS: Alignment of the proposed pipe was identified in Fiscal Year 2006. Pipe construction was completed by in-house crew in Fiscal Year 2007.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		10,400						10,400
Land								
Construction	50,000	62,100						112,100
Miscellaneous								
Other								
TOTAL	50,000	72,500						122,500

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	50,000	72,500						122,500
TOTAL	50,000	72,500						122,500

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

South Governors Avenue Water Main Upgrade

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 13
NEW PROJECT: No



PROJECT DESCRIPTION: The proposed project will construct approximately 8,500 linear feet of 12-inch diameter Class 52 ductile iron pipe within the right-of-way of South Governors Avenue from Webb's Lane to Water Street. The new pipe will replace old cast iron pipes of varying diameter (eight-inch and ten-inch) as well as increase the transmission capacity of the water infrastructure in this area of the City. In addition to pipe replacement, the project will replace 140 water services and 30 fire hydrants.

NEED, JUSTIFICATION, BENEFIT: Improved transmission capacity is necessary to support the expansion of BayHealth Medical Center and other redevelopment projects in the downtown section. In addition, this project will address some of the goals outlined in the Water Quality Action Plan by replacing a large segment of unlined cast iron water main. All utility construction must be completed prior to the reconstruction of the road surface by DeIDOT. The City will reimburse DeIDOT for the cost of increasing the size of the water main from varying small diameters to the proposed 12-inch diameter pipe.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Once the road is reconstructed by DeIDOT, the City will be unable to obtain permits for this type of work for at least five years after the completion of the road project.

THIS PROJECT IS RELATED TO THE FOLLOWING: South Governors Avenue Road Improvements (DeIDOT) estimated at \$12 million

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design will be completed in Fiscal Years 2005 and 2006 by DeIDOT at no cost to the City; tentative construction reimbursement: Fiscal Year 2009

COMMENTS: McCormick Taylor is the design engineer on the road project for DeIDOT and will be responsible for the design of the utility improvements. Construction to be completed under the DeIDOT contract. As per negotiations with DeIDOT, the City is only responsible for the difference in cost between eight-inch and 12-inch pipe. The total cost of the project is approximately \$1,500,000. The City will pay the State \$200,000 for the additional work being done.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		200,000						200,000
Miscellaneous								
Other								
TOTAL		200,000						200,000

FINANCING:

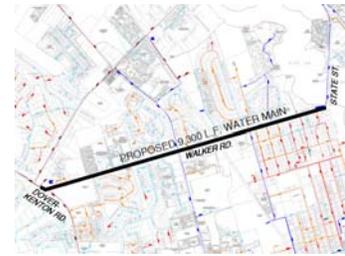
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund		200,000						200,000
TOTAL		200,000						200,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Walker Road Water Main Upgrade

FISCAL YEAR(S): 2010 - 2011
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would install 16-inch DIP water main within Walker Road. Phase I consists of approximately 6,850 feet; Phase II consists of approximately 2,450 feet.

NEED, JUSTIFICATION, BENEFIT: This project will replace the existing eight-inch and ten-inch piping in Walker Road which will allow the Walker Road Tank to more effectively serve the downtown area and improve fire flow. In addition, this will allow removal of undersized piping and improvement of hydraulic capacity as confirmed by the hydraulic model.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in preventing more effective utilization of the Walker Road Tank.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design is proposed for Fiscal Year 2010. Phase I construction is proposed for Fiscal Year 2010; Phase II construction is proposed for Fiscal Year 2011. The section of Walker Road from Kenton Road to McKee Road was paved in Fiscal Year 2005 by Del DOT. As a result, it is unlikely that we would receive a permit to work this section until Fiscal Years 2010 or 2011. This will cause the project to be completed in reverse from that recommended within the 2004 Water Master Plan Update.

COMMENTS: This project will require the utilization of an outside contractor. Original project estimates were provided in the 2004 Water Master Plan Update based upon 2005 dollars. Out-year costs have been increased at 3.5 percent per year. In addition, \$125,000 has been added for construction inspection and contract oversight to the contract total.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				160,700				160,700
Land								
Construction				563,000	1,399,000			1,962,000
Miscellaneous								
Other								
TOTAL				723,700	1,399,000			2,122,700

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Bond Financing				723,700	1,399,000			2,122,700
TOTAL				723,700	1,399,000			2,122,700

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service				212,270	212,270	212,270		636,810

Southeast Water Loop

FISCAL YEAR(S): 2010 - 2011
PROJECT NO: WD0003
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 12
NEW PROJECT: No



PROJECT DESCRIPTION: This project would install approximately 3,500 feet of 12-inch HDPE water main from the Danner Farm Wells (#10 & #14) to the southwest boundary of the River Chase Apartment Complex.

NEED, JUSTIFICATION, BENEFIT: This project will significantly increase transmission capacity from east to west as well as increase system pressures during peak demands. In addition, this transmission upgrade will help stabilize chlorine residuals in the southwestern section of the system.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in continued pressure fluctuations on the west side during peak demand periods and emergencies.

THIS PROJECT IS RELATED TO THE FOLLOWING: 1.0 MG Elevated Water Storage Tower; general distribution system improvements.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design was originally scheduled for Fiscal Year 2005 but was delayed until Fiscal Year 2007 due to project budget constraints and design requirements. Construction to be completed in Fiscal Year 2011.

COMMENTS: Construction estimates were determined in Fiscal Year 2007 by a design consultant. Costs have been increased by 3.5% per year and include \$100,000 for consultant engineering services to provide construction inspection and contract oversight. (\$50,000 was provided in Fiscal Year 2010 and Fiscal Year 2011). The potential exists that this project could be eliminated if the proposed 1.0 MG Elevated Water Storage Tower was placed in such a location to relieve low volumes and pressures. This potential is contingent upon land availability, costs, and hydraulics.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	80,000							80,000
Land								
Construction				776,600	803,800			1,580,400
Miscellaneous								
Other								
TOTAL	80,000			776,600	803,800			1,660,400

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Water/Wastewater Fund	80,000			776,600	803,800			1,660,400
TOTAL	80,000			776,600	803,800			1,660,400

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

U.S. Rt. 13 Water Main Improvements

FISCAL YEAR(S): 2011 - 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would install approximately 3,800 feet of 16-inch DIP water main within the Division Street and U.S. Rt. 13 areas.

NEED, JUSTIFICATION, BENEFIT: This project will replace existing undersized lines and is part of an ongoing improvement project to increase the size of and improve the quality of the service lines to the downtown area.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in the continuation of water quality concerns and ineffective hydraulic capacity in this area.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The installation of 16-inch DIP water main in Division Street from State Street to Bayard Avenue was completed in Fiscal Year 2006. Planning, surveying, and design costs for construction will occur in Fiscal Year 2011. Construction of approximately 1,600 feet of 16-inch water main from Division Street to Maple Parkway and north parallel to RT 13 to the existing 16-inch water main in Kings Highway near Dunkin' Donuts to occur in Fiscal Year 2011. Fiscal Year 2012 construction will include the installation of 16-inch water main in Maple Parkway, across RT 13 and through the Edgehill area to the existing water main in North Little Creek Road.

COMMENTS: This project will require the utilization of an outside contractor. Original project estimates were provided in the 2004 Water Master Plan Update based upon 2005 dollars. Costs have been revised based upon the cost of the Division Street water main upgrade from State Street to Bayard Avenue. Out-year costs have been increased at 3.5 percent per year.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					110,900			110,900
Land					55,400			55,400
Construction					968,700	1,423,000		2,391,700
Miscellaneous								
Other								
TOTAL					1,135,000	1,423,000		2,558,000

FINANCING:

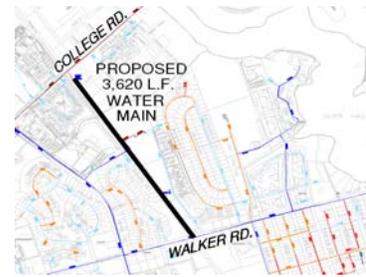
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Bond Financing					1,135,000	1,423,000		2,558,000
TOTAL					1,135,000	1,423,000		2,558,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service					255,800	255,800		511,600

McKee Run Tank Water Main Upgrade

FISCAL YEAR(S): 2011 – 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities – Water Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would install 16-inch DIP water main from McKee Run Tank to Walker Road, approximately 3,620 feet.

NEED, JUSTIFICATION, BENEFIT: This project will replace portions of existing undersized piping and complete system looping. This will also allow the McKee Tank to more effectively serve the downtown area and fire flow.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would prolong the use of undersized mains and dead ends as well as prevent more effective service to the downtown area from the McKee Tank.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design is proposed for Fiscal Year 2011. Construction is proposed for Fiscal Year 2012.

COMMENTS: This project will require the utilization of an outside contractor. Original project estimates were provided in the 2004 Water Master Plan Update based upon 2005 dollars. Out-year costs have been increased at 3.5 percent per year. Land costs represent easement acquisition. In addition, \$75,000 has been added for construction inspection and contract oversight services in Fiscal Year 2012.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					119,000			119,000
Land					5,200			5,200
Construction						700,700		700,700
Miscellaneous								
Other								
TOTAL					124,200	700,700		824,900

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Bond Financing					124,200	700,700		824,900
TOTAL					124,200	700,700		824,900

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service					82,490	82,490		164,980

Legislative Avenue Water Main Upgrade

FISCAL YEAR(S): 2011 - 2012
PROJECT NO:
CATEGORY: Water/Wastewater
DEPARTMENT: Public Utilities - Water Mgmt
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project, identified in the 2004 Water Master Plan Update, would complete the installation of approximately 2,100 feet of 16-inch DIP water main within Legislative Avenue adjacent areas.

NEED, JUSTIFICATION, BENEFIT: This project will replace existing undersized water main in Legislative Avenue and continuing north to Division Street to more effectively serve the downtown area.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project would result in preventing more effective service to the downtown area.

THIS PROJECT IS RELATED TO THE FOLLOWING: Water Quality

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design is proposed for Fiscal Year 2011. Construction is proposed for Fiscal Year 2012.

COMMENTS: This project will require the utilization of an outside contractor. Original project estimates were provided in the 2004 Water Master Plan Update based upon 2005 dollars. Out-year costs have been increased by 3.5 percent per year. In addition, \$75,000 has been added in Fiscal Year 2012 for construction, inspection, and contract oversight services.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					89,000			89,000
Land					30,000			30,000
Construction						474,000		474,000
Miscellaneous								
Other								
TOTAL					119,000	474,000		593,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Bond Financing					119,000	474,000		593,000
TOTAL					119,000	474,000		593,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service					59,300	59,300		118,600

ELECTRIC

EXPENDITURES

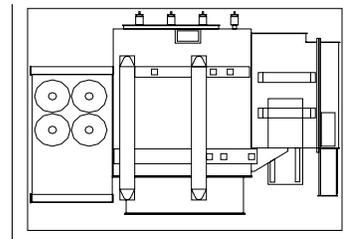
CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Public Utilities - Electric Eng							
Lebanon Transformer	225	637,950	637,950				
Mayfair Substation - 69kV/12kV	226	65,000	65,000				
69 KV Feeders 3 and 4	227	14,497,500	9,077,500	2,660,000	100,000	2,660,000	
Distribution Capacitors	228	345,000	225,000		120,000		
Transmission Relaying, Replacement, and Calibrations	229	520,000	520,000				
College Road Distribution Substation	230	2,435,000	2,435,000				
Distribution Upgrades	231	1,500,000	300,000	300,000	300,000	300,000	300,000
Replacement of 69 KV Breakers	232	925,000	183,000	183,000	183,000	188,000	188,000
Horsepond 600 Transformer	233	1,020,000	325,000	695,000			
Lighting Project and Rehabilitation	234	500,000	100,000	100,000	100,000	100,000	100,000
Governors Avenue Rebuild	235	2,068,260	2,068,260				
St. Jones Substation	236	3,613,000		442,500	3,170,500		
Danner Farm Transformer	237	1,067,000		387,000	680,000		
Outage Answering Service	238	44,450		44,450			
Mid City Substation	239	2,716,000			512,600	2,203,400	
West Dover Distribution Substation	240	3,500,000				500,000	3,000,000
General Scott Substation	241	850,000				150,000	700,000
Subtotal		36,304,160	15,936,710	4,811,950	5,166,100	6,101,400	4,288,000
Public Utilities - Trans and Dist							
New Developments	242	6,010,000	1,015,000	1,165,000	1,220,000	1,275,000	1,335,000
Electric Radio Read Meter Change-Out	243	545,000	545,000				
Subtotal		6,555,000	1,560,000	1,165,000	1,220,000	1,275,000	1,335,000
Public Utilities - Power Plant							
McKee Run Fuel Oil Tank Inspection	244	300,000	300,000				
McKee Rune Fire Protection System Upgrades	245	50,000	50,000				
VanSant COMS Replacement	246	27,000	27,000				
McKee Run Unit #1 Turbine Outage	247	500,000					500,000
Subtotal		877,000	377,000				500,000
TOTAL		43,736,160	17,873,710	5,976,950	6,386,100	7,376,400	6,123,000

REVENUE

REVENUE SOURCE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Electric I and E Fund	19,532,950	2,725,000	1,696,450	5,248,100	4,228,400	5,635,000
Electric Depreciation Reserve Fund	6,925,392	4,288,392	1,178,000	483,000	488,000	488,000
Electric Bond	16,567,500	10,150,000	3,102,500	655,000	2,660,000	
State Reimbursement	710,318	710,318				
TOTAL	43,736,160	17,873,710	5,976,950	6,386,100	7,376,400	6,123,000

Lebanon Transformer

FISCAL YEAR: 2008
PROJECT NO: EE0701
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project would replace the transformer at the Lebanon Substation as part of the long-range plan.

NEED, JUSTIFICATION, BENEFIT: The existing Lebanon Substation transformer is 35 years old and has exceeded its 30-year life expectancy. Additionally, now that the City of Dover is responsible for supplying Dover Air Base Housing (DABH) at distribution voltage, the existing transformer is not capable of carrying the additional load, and we will be required to shift load to adjacent substations to avoid overloading the existing transformer. The current transformers capacity is 12 MVA and will be replaced with a 33MVA transformer to carry future projected load growth. Lastly, the current Lebanon Substation transformer cannot be used as a backup for the Danner Farm, Horsepond, Mid City, or Mayfair Substations because of the size constraints, which ultimately affects system security/reliability.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying this project would result in increasing outages due to overloading, not being able to provide redundancy for connecting substations, and a strong possibility of environmental contamination in case of transformer failure. During peak load periods, load shedding may be necessary in order to prevent transformer failure. This will result in extended outages for consumer-owners located in the southeast portion of our service territory.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The purchase orders would be issued in January 2007, and installation would be completed in March 2009.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	213,900	637,950						851,850
Miscellaneous								
Other								
TOTAL	213,900	637,950						851,850

FINANCING:

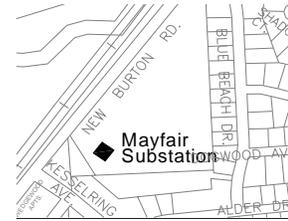
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	213,900	637,950						851,850
TOTAL	213,900	637,950						851,850

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Mayfair Substation - 69kV/12kV

FISCAL YEAR: 2008
PROJECT NO: ES0105
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 2
NEW PROJECT: No



PROJECT DESCRIPTION: This project allows the conversion of the Mayfair Substation from 22kV to 69kV by replacing the 22kV transformer, breaker, and associated equipment. To date the transformer, breaker, steel and miscellaneous equipment have been ordered. This CIP will provide the labor to complete the project.

NEED, JUSTIFICATION, BENEFIT: In order to improve reliability, reduce losses, and eliminate the antiquated 22kV system, the station will be converted to 69kV. The conversion will improve system reliability and reduce inventory needed for repair and maintenance.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Maintaining the 22kV system would jeopardize the reliability of the Mayfair Substation and increase the cost of the future feeders 3 and 4 by having to purchase additional rights-of-way easements.

THIS PROJECT IS RELATED TO THE FOLLOWING: Mayfair to Mid City Line - 69kV

EXPLANATION OF IMPACT ON OPERATING BUDGET: Upon completion of the rebuild, a reduction of equipment repair costs will be noticed.

TIME-LINE/CURRENT STATUS: Order equipment in January of 2007 and construct the station in the Fall of 2007.

COMMENTS: Transformer, transformer foundation, and breaker have already been purchased.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	205,465	55,000						260,465
Miscellaneous	347,500							347,500
Other		10,000						10,000
TOTAL	552,965	65,000						617,965

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	552,965	65,000						617,965
TOTAL	552,965	65,000						617,965

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

69 KV Feeders 3 and 4

FISCAL YEAR(S): 2008 - 2011
PROJECT NO: EE0601
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 3
NEW PROJECT: No



PROJECT DESCRIPTION: This project will install two new feeders from Cartanza Substation which will carry the City's load and future capacity for 20 years. The addition of the two new feeders will allow any one of the four lines to be taken out of service for maintenance or any line faults. Phase I of this project, scheduled for Fiscal Year 2008, will build the two new feeders to the St. Jones Substation location (this will not benefit the City, but will give a starting point for Phases II & III. Phase II of the project, scheduled for Fiscal Year 2009, will complete Feeder 3 from Cartanza Substation to the North Street switching station (this will allow the City to carry the needed and future capacity, however, will not give the redundancy for failure or maintenance). Phase III, scheduled for Fiscal Year 2011, will complete Feeder 4 from Cartanza Substation to Division Street Substation (thus giving the City a redundant line and meet future capacity for the next 20 years).

NEED, JUSTIFICATION, BENEFIT: The existing two lines feeding from the Cartanza Substation carry the entire load. If one line should fail due to weather and/or accidents, 50 percent of the City would be without power.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying this project would leave the City in a position that requires generation to be run at McKee and VanSant generators at a substantial loss.

THIS PROJECT IS RELATED TO THE FOLLOWING: Cartanza Substation/Feeders 1 and 2/St. Jones Substation

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Land acquisition and design specifications began in Fiscal Year 2006. Project is anticipated to be completed in Fiscal Year 2011.

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	120,000	100,000		100,000				320,000
Land	130,000							130,000
Construction		8,977,500	2,660,000		2,660,000			14,297,500
Miscellaneous								
Other								
TOTAL	250,000	9,077,500	2,660,000	100,000	2,660,000			14,747,500

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Bond	250,000	9,077,500	2,660,000	100,000	2,660,000			14,747,500
TOTAL	250,000	9,077,500	2,660,000	100,000	2,660,000			14,747,500

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service		802,000	1,475,000	1,475,000	1,475,000	1,475,000		6,702,000

Distribution Capacitors

FISCAL YEAR(S): 2008 - 2010

PROJECT NO:

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 4

NEW PROJECT: No



PROJECT DESCRIPTION: Install distribution capacitors throughout the system to correct poor power factor on distribution circuits.

NEED, JUSTIFICATION, BENEFIT: Additional capacitance is required in order to meet system power factor requirements at the Delmarva Power and Light interchange point. This was substantiated through a load-flow study conducted by Shaw in early 2004 and distribution study by Wilson & Wilson in 2006.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Without the capacitor bank, the City may experience a low voltage problem and the possibility of having to pay power factor penalties to Delmarva Power and Light.

THIS PROJECT IS RELATED TO THE FOLLOWING: College Road capacitors - Renamed due to changing of system application.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Bid specification and Request For Proposals (RFP) to be developed in early 2007, project scheduled for completion by June of 2008.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	119,995	225,000		120,000				464,995
Miscellaneous								
Other								
TOTAL	119,995	225,000		120,000				464,995

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund	119,995	225,000		120,000				464,995
TOTAL	119,995	225,000		120,000				464,995

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Transmission Relaying, Replacement & Calibrations



FISCAL YEAR: 2008
PROJECT NO: 0
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 5
NEW PROJECT: Yes

PROJECT DESCRIPTION: Replace and calibrate all transmission line and transmission substation relays.

NEED, JUSTIFICATION, BENEFIT: By replacing and calibrating the transmissions lines and substation relays, the City can maximize system protection, and eliminate the nuisance tripping of the transmission lines. The City has experienced several large transmission outages over the past year (the latest was January 13, 2006) due to mis-coordination and operation of the existing relays. Due to the loop feed configuration of our system the protection scheme is very complex, and the existing relays do not provide the accuracy of settings as the new microprocessor relay would allow. Additionally, the existing relays are approximately 35 years old and operate as an electric/mechanical device, which means they have very course settings and are high maintenance. The replacement relays are microprocessor based and provide a much more accurate control over breaker operations; resulting in superior protection with almost no maintenance requirements. This will benefit both customer service and the continued revenue source of KWH.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Loss of revenue, reduction of system reliability, and an increase in system outages.

THIS PROJECT IS RELATED TO THE FOLLOWING: Breaker Replacement

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Engineering to begin in July 2007; project to be completed by July 2009.

COMMENTS: The contract with Shaw EDS will be used for engineering services.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	100,000	200,000						300,000
Land								
Construction		320,000						320,000
Miscellaneous								
Other								
TOTAL	100,000	520,000						620,000

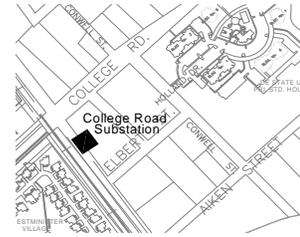
FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	100,000	520,000						620,000
TOTAL	100,000	520,000						620,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

College Road Distribution Substation



FISCAL YEAR: 2008
PROJECT NO: 0
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 6
NEW PROJECT: Yes

PROJECT DESCRIPTION: This project involves the redesign of the College Road Substation.

NEED, JUSTIFICATION, BENEFIT: Dover has been continuously growing to the north and west side of town.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Increased system losses, low voltage problems on peak system times, and lack of supply for future subdivisions. In the event of a failure of either the Division Street or the Dover Downs substation, we cannot support the load from other substation locations. This station would provide redundancy for these stations as well as reduce the load on the current stations which would decrease system losses, increase the voltage to the customer's location, and provide service to new developments in the immediate area.

THIS PROJECT IS RELATED TO THE FOLLOWING: Comprehensive electric development plan.

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Substation to be on line by the summer of 2008.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design	60,000	50,000						110,000
Land								
Construction	465,000	2,235,000						2,700,000
Miscellaneous								
Other		150,000						150,000
TOTAL	525,000	2,435,000						2,960,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	525,000	1,362,500						1,887,500
Electric Bond		1,072,500						1,072,500
TOTAL	525,000	2,435,000						2,960,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Distribution Upgrades

FISCAL YEAR(S): 2008 - 2012
PROJECT NO: EU0601
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric
 Eng
DEPT. RANKING: 7
NEW PROJECT: No



PROJECT DESCRIPTION: This project involves the systemic replacement of overhead lines with underground lines whenever services are being moved, wire is damaged, or trees cause a high number of outages. This can involve a single service up to an entire residential neighborhood. Annual outage records are reviewed, and selected areas are scheduled for upgrade to underground service.

NEED, JUSTIFICATION, BENEFIT: The number of storm and tree-related outages has been greatly reduced under this program, and further improvements can be made to insure the most reliable electric service possible. Reliability has become the single most important factor to electric customers, even more so than cost. We must provide the most reliable system possible.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Continued outages lead to increased complaints from our customers and will lead to customer dissatisfaction. There will be increased costs for repairs made under outage conditions as well as loss of electric revenue.

THIS PROJECT IS RELATED TO THE FOLLOWING: Ongoing commitment to reduce outages and high costs associated with them

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: This project will be ongoing over the 12 months of the budget year.

COMMENTS: This account is used to upgrade any trouble areas during the year. The following developments are to be upgraded in the future years: Kent Acres, Highland Acres, Schoolview, Crossgates, and Buchanan Acres.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000
Miscellaneous	400,000	200,000	200,000	200,000	200,000	200,000	200,000	1,600,000
Other								
TOTAL	500,000	300,000	300,000	300,000	300,000	300,000	300,000	2,300,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	500,000	300,000	300,000	300,000	300,000	300,000	300,000	2,300,000
TOTAL	500,000	300,000	300,000	300,000	300,000	300,000	300,000	2,300,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Replacement of 69 KV Breakers



FISCAL YEAR(S): 2008 - 2012
PROJECT NO: EE0408
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 8
NEW PROJECT: No

PROJECT DESCRIPTION: This project involves the replacement of 69 KV breakers.

NEED, JUSTIFICATION, BENEFIT: The 69 KV breakers in the transmission system vary in age and reliability. Currently there are 39 of these breakers in the transmission system. Installation of the 230 KV substation did place the breakers in a higher fault current environment than they are rated to safely operate in. This project will replace the most vulnerable breakers first and will eventually replace all of the oil-filled breakers with SF6 gas-filled breakers. Additionally, at the time the breakers are replaced, the control wiring and relays will also be replaced to bring the installation into current standards.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Since these breakers have reached the end of their expected life, failure to replace them will result in miss-operation and either cause larger outages than necessary or cause greater damage to protected equipment. If the breaker failed on an interconnected customer, this failure could result in greater liability exposure.

THIS PROJECT IS RELATED TO THE FOLLOWING: Transmission Relays

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: The first two groups of four breakers are located at North Street substation. Of the four new ones included in this Fiscal Year 2008 CIP one will also be placed in North Street Substation to complete this station, two will go to Horsepond, and the last will go to Danner Farm Substations.

COMMENTS: Implementation of this project will allow for the replacement of several old and unreliable breakers allowing full utilization of the new 230 KV substation. The expected total project cost of \$1,050,000 will be spread out over a seven-year timetable.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		3,000	3,000	3,000	3,000	3,000		15,000
Land								
Construction	37,600	8,000	8,000	8,000	8,000	8,000		77,600
Miscellaneous	262,400	172,000	172,000	172,000	177,000	177,000		1,132,400
Other								
TOTAL	300,000	183,000	183,000	183,000	188,000	188,000		1,225,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund	300,000	183,000	183,000	183,000	188,000	188,000		1,225,000
TOTAL	300,000	183,000	183,000	183,000	188,000	188,000		1,225,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Horsepond 600 Transformer

FISCAL YEAR(S): 2008 - 2009

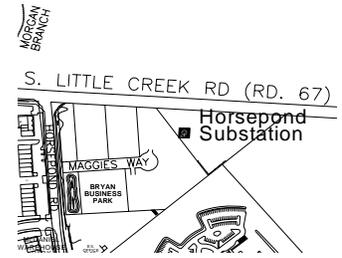
PROJECT NO:

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 9

NEW PROJECT: No



PROJECT DESCRIPTION: This project will replace a 1970 substation transformer.

NEED, JUSTIFICATION, BENEFIT: This substation currently feeds Little Creek, Kitts Hummock, Pickering Beach, and the Kent County Industrial Park. The transformer backs up Horsepond 500, Lebanon, and Danner Farm.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Consequences of delaying or eliminating this project would be total transformer failure. Without replacing the transformer, the City will most likely continue to have oil spills and repair costs. Total transformer failure will result in extended outages and extremely high costs in environmental cleanup services.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: This project will reduce major maintenance cost.

TIME-LINE/CURRENT STATUS: Transformer to be ordered in July 2007 and completed by April 2009.

COMMENTS: The replacement transformer will be larger in order to handle the additional load growth east of U.S. Rt. 13 for areas such as Luther Towers and Clearview Meadows.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design		25,000						25,000
Land								
Construction		300,000	600,000					900,000
Miscellaneous			95,000					95,000
Other								
TOTAL		325,000	695,000					1,020,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund		325,000	695,000					1,020,000
TOTAL		325,000	695,000					1,020,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Lighting Project and Rehabilitation



FISCAL YEAR(S): 2008 - 2012
PROJECT NO: EE0605
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 11
NEW PROJECT: No

PROJECT DESCRIPTION: This fund was developed to replace and repair existing street lights or install new lights upon customer request.

NEED, JUSTIFICATION, BENEFIT: The Electric Department has received several requests for lighting improvements. There are areas that are in need of street light improvements, specifically N. State Street. This fund would also provide funding for new large security light requests. Areas completed are Sherwood, Rodney Village, The Hamlet, Mayfair/Crossgates, and N. Governors Avenue.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Constant complaints of poor street lighting and poor security due to antiquated lights

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: This project is ongoing.

COMMENTS: This fund will remain active as long as there are improvements to be made. Customer security lighting requests are a source of revenue for the City.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000
Miscellaneous								
Other								
TOTAL	100,000	700,000						

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000
TOTAL	100,000	700,000						

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Governors Avenue Rebuild

FISCAL YEAR: 2008
PROJECT NO: EE0603
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 12
NEW PROJECT: No



PROJECT DESCRIPTION: This is State Road Improvement Project No. 20-045-02. DeIDOT will be making road improvements to Governors Avenue from Webb's Lane to Water Street. All poles and wires will be replaced with underground equipment. The State will reimburse the City for the expenses related to moving the existing equipment, but not for the underground improvement; therefore, the City will fund a large portion of this project.

NEED, JUSTIFICATION, BENEFIT: The State is requiring all utility companies to relocate their utilities. As always, when changing or upgrading the electrical infrastructure, reliability from the buried line will improve the City's electrical infrastructure.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: When the State of Delaware is ready to move forward with this project, the City must follow suit.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Project pending availability of DeIDOT funds.

COMMENTS: This is an engineering estimate based on preliminary discussions with DeIDOT.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		2,068,260						2,068,260
Miscellaneous								
Other								
TOTAL		2,068,260						2,068,260

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund		490,000						490,000
State Reimbursement		710,318						710,318
Electric Depreciation Reserve Fund		867,942						867,942
TOTAL		2,068,260						2,068,260

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

St. Jones Substation

FISCAL YEAR(S): 2009 - 2010

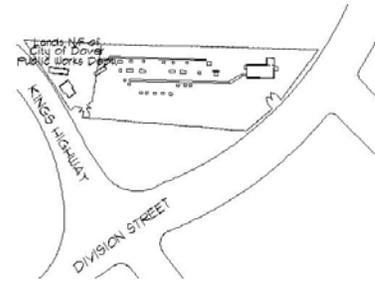
PROJECT NO:

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 1

NEW PROJECT: No



PROJECT DESCRIPTION: This project would construct a new St. Jones 69 KV Switching Bus Yard and convert the current St. Jones Substation from 22 KV to 69 KV.

NEED, JUSTIFICATION, BENEFIT: The substation must be upgraded to support Feeders 3 and 4. The distribution system of Downtown Dover will be fed from St. Jones.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Not rebuilding the St. Jones Substation would result in not being able to complete Feeders 3 and 4 and not being able to handle the load in the downtown area.

THIS PROJECT IS RELATED TO THE FOLLOWING: 69 KV Feeders 3 and 4; 4 KV-12 KV Upgrade

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design to start in July 2007; construction to be completed in 2009.

COMMENTS: Total project costs have changed with more accurate engineering estimates.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			150,000					150,000
Land								
Construction			292,500	2,670,500				2,963,000
Miscellaneous				500,000				500,000
Other								
TOTAL			442,500	3,170,500				3,613,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Bond			442,500	3,170,500				3,613,000
Electric I and E Fund				2,615,500				
TOTAL			442,500	3,170,500				3,613,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Debt Service			36,130	36,130	36,130	36,130		144,520

Danner Farm Transformer

FISCAL YEAR(S): 2009 - 2010

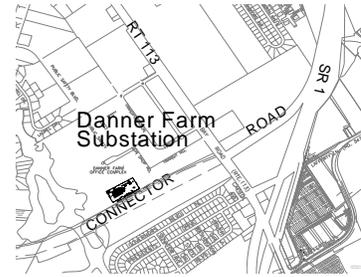
PROJECT NO:

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 2

NEW PROJECT: Yes



PROJECT DESCRIPTION: This project would replace a 1971 substation transformer.

NEED, JUSTIFICATION, BENEFIT: Danner Farm Substation currently feeds the State of Delaware Danner Farm Complex, the east side of U.S. Rt. 13, and the Blue Hen Corporate Center. The substation backs up Horsepond, St. Jones, Mid City, and Lebanon Substation circuits. This unit will be sized to include future loads.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Consequences of delaying or eliminating this project would be total transformer failure. Without replacing the transformer, the City will most likely continue to have oil spills and repair costs. Total transformer failure will result in extended outages and extremely high costs in environmental cleanup services.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Completion in Fiscal Year 2010

COMMENTS: None

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design			75,000					75,000
Land								
Construction			312,000	600,000				912,000
Miscellaneous				80,000				80,000
Other								
TOTAL			387,000	680,000				1,067,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund			387,000	680,000				1,067,000
TOTAL			387,000	680,000				1,067,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Outage Answering Service



FISCAL YEAR : 2009
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 3
NEW PROJECT: No

PROJECT DESCRIPTION: Install an outage reporting system in System Operations to handle calls during outage situations. This project will allow up to eight lines to be addressed simultaneously.

NEED, JUSTIFICATION, BENEFIT: Currently, System Operations has six phone lines and one System Operator to answer the phones. This service will answer the call and record the outage. It will improve customer service and allow the System Operator to concentrate on the outage and the safety of the electric crews.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying this project would leave the system as is with many calls not being answered in a timely manner. The current system does not promote good customer service.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: \$6,700 yearly maintenance fee (estimating \$.25 per call).

TIME-LINE/CURRENT STATUS: Purchase on July 1, 2008, and complete installation by June 30, 2009.

COMMENTS: The system is expandable and handles an overflow of calls outside the system's telephone lines limit for \$.25 per call.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction			44,450					44,450
Miscellaneous								
Other								
TOTAL			44,450					44,450

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund			44,450					44,450
TOTAL			44,450					44,450

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Maintenance Fee		10,643	10,643	10,643	10,643		10,643	53,215

Mid City Substation

FISCAL YEAR(S): 2010 - 2011

PROJECT NO: 0

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 1

NEW PROJECT: Yes



PROJECT DESCRIPTION: This project will allow the City to replace an aging transformer and switch gear for the existing Mid City Substation. Additionally, the rebuild will incorporate a double breaker configuration reducing the size of a line outage in half.

NEED, JUSTIFICATION, BENEFIT: The Mid City Substation is a 1973 substation which has been reviewed in the long-range plan as needing to be replaced due to its age.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating the replacement may increase the risk of equipment failure, resulting in outages and environmental impact. This substation feeds Kent General Hospital, S. State Street, S. Governors Avenue, and is the back-up station for Danner Farm, Division Street, St. Jones, North Street, and Lebanon Substations.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Engineering for this project will begin in July 2010, transformer to be ordered in October 2010, construction to begin in October 2011, completion date is estimated for April 2011.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design				200,000				200,000
Land								
Construction				312,600	1,653,400			1,966,000
Miscellaneous								
Other					550,000			550,000
TOTAL				512,600	2,203,400			2,716,000

FINANCING:

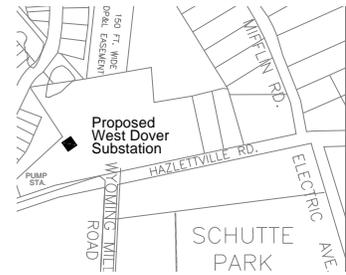
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund				512,600	2,203,400			2,716,000
TOTAL				512,600	2,203,400			2,716,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

West Dover Distribution Substation

FISCAL YEAR(S): 2011 - 2012
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Electric Eng
DEPT. RANKING: 1
NEW PROJECT: No



PROJECT DESCRIPTION: This project involves the construction of a new substation west of Dover.

NEED, JUSTIFICATION, BENEFIT: Dover has been continuously growing to the west side of town. Sometime in the next ten years, a new substation will be needed to supply our customers.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Increased system losses, low voltage problems on peak system times, and lack of supply for future subdivisions. This station will back up North Street, Mayfair, Division Street, and College Road.

THIS PROJECT IS RELATED TO THE FOLLOWING: Comprehensive electric development plan

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Preliminary planning

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction					500,000	3,000,000		3,500,000
Miscellaneous								
Other								
TOTAL					500,000	3,000,000		3,500,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund					500,000	3,000,000		3,500,000
TOTAL					500,000	3,000,000		3,500,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

General Scott Substation

FISCAL YEAR(S): 2011 - 2012

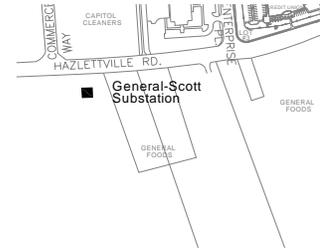
PROJECT NO: 0

CATEGORY: Electric

DEPARTMENT: Public Utilities - Electric Eng

DEPT. RANKING: 2

NEW PROJECT: Yes



PROJECT DESCRIPTION: Replace switchgear and associated equipment in the General Scott Substation.

NEED, JUSTIFICATION, BENEFIT: The existing unit is aging and due for replacement.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project may result in outages.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Design to begin in July 2011, equipment to be ordered in July 2012, and replace unit in Spring of 2013.

COMMENTS:

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design					150,000			150,000
Land								
Construction						700,000		700,000
Miscellaneous								
Other								
TOTAL					150,000	700,000		850,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund					150,000	700,000		850,000
TOTAL					150,000	700,000		850,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

New Developments



FISCAL YEAR(S): 2008 - 2012

PROJECT NO: EE0808

CATEGORY: Electric

DEPARTMENT: Public Utilities - Trans and Dist

DEPT. RANKING: 1

NEW PROJECT: No

PROJECT DESCRIPTION: This project would purchase materials in order to provide electric service to new housing, business, and industrial developments. This will be an ongoing project. Additionally, a portion of this expense is offset by the extension payments that new developers pay \$850.00 per lot connection fee.

NEED, JUSTIFICATION, BENEFIT: During the course of each budget year, new development projects request electric service. Some are new projects, and some are projects that had received approval several years ago, but were not completed for any number of reasons. As of September 2006, Kent County and the City of Dover approved 19 developments for an estimated equipment value of \$1.7M.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: N/A

THIS PROJECT IS RELATED TO THE FOLLOWING: The long-term goal of reducing the number of voltages used on the electric system

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: This project is ongoing.

COMMENTS: Materials are budgeted in a number of different accounts depending on the type of material. In Fiscal Year 2009, the budgeted amount has increased by \$100,000 due to the fact that the radio read meter change-out project has been completed; this amount will cover meters for all new developments.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous	1,483,500	1,015,000	1,165,000	1,220,000	1,275,000	1,335,000	1,335,000	8,828,500
Other								
TOTAL	1,483,500	1,015,000	1,165,000	1,220,000	1,275,000	1,335,000	1,335,000	8,828,500

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund	1,483,500	1,015,000	1,165,000	1,220,000	1,275,000	1,335,000	1,335,000	8,828,500
TOTAL	1,483,500	1,015,000	1,165,000	1,220,000	1,275,000	1,335,000	1,335,000	8,828,500

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

Electric Radio Read Meter Change-Out



FISCAL YEAR: 2008
PROJECT NO: ET0501
CATEGORY: Electric
DEPARTMENT: Public Utilities - Trans and Dist
DEPT. RANKING: 2
NEW PROJECT: No

PROJECT DESCRIPTION: This project involves replacing all mechanical meters with radio read meters.

NEED, JUSTIFICATION, BENEFIT: By moving forward with this project, it will enable employees to read the entire electric system in just three days. Bills will be more accurate, there will be no need to estimate bills, and less testing will need to be done. By no longer resetting demand meters, the City will save 3,000 break-away seals per month and the associated cost. Additionally, access problems will be eliminated when attempting to read meters. The radio read meters eliminate human error and reduce the possibility of dog bites, debris, poison ivy, etc.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Delaying or eliminating this project will mean we will have to continue reading meters manually causing human error, re-reads, replacing seals on demand meters, and a delay in revenue due to lengthy meter reading, all of which are counterproductive.

THIS PROJECT IS RELATED TO THE FOLLOWING: N/A

EXPLANATION OF IMPACT ON OPERATING BUDGET: N/A

TIME-LINE/CURRENT STATUS: Approximately 70 percent of the meters have been converted to radio read meters.

COMMENTS: This is being done in conjunction with the cWater Division. They are also in the process of replacing water meters with radio read meters. This project has a cost savings to Customer Services.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous	1,285,000	545,000						1,830,000
Other								
TOTAL	1,285,000	545,000						1,830,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund	1,285,000	545,000						1,830,000
TOTAL	1,285,000	545,000						1,830,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

McKee Run Fuel Oil Tank Inspection

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Power Plant
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: Clean and inspect 2.5 million gallon fuel oil tank at McKee Run.

NEED, JUSTIFICATION, BENEFIT: Above ground storage tank regulations require periodic out of service (empty) inspection by June 30, 2007. Plant has applied for an extension for one year.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Cannot be delayed due to AST regulation and thereby subject to a fine by DNREC for non-compliance.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS: Inspection due in June 2007. Station has applied for a one-year extension with DNREC.

COMMENTS: Total project includes emptying, cleaning, inspecting, and refilling tank.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other		300,000						300,000
TOTAL		300,000						300,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund		300,000						300,000
TOTAL		300,000						300,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

McKee Rune Fire Protection System Upgrades



FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Power Plant
DEPT. RANKING: 2
NEW PROJECT: Yes

PROJECT DESCRIPTION: Install fire protection system upgrades at McKee Run Unit 3, per the insurance company recommendations.

NEED, JUSTIFICATION, BENEFIT: Insurance company toured plant and identified/recommended a need to install a manually operated foam deluge system to protect Unit 3 bearings in the event of a fire.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Could be delayed as a conscious risk management decision. Installation of system could prevent spread of a fire to other areas of the generating station or could extinguish a fire completely.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS:

COMMENTS: Total project includes manually operated foam deluge system installed to protect Unit 3 bearings.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		50,000						50,000
Miscellaneous								
Other								
TOTAL		50,000						50,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund		50,000						50,000
TOTAL		50,000						50,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

VanSant COMS Replacement

FISCAL YEAR: 2008
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Power Plant
DEPT. RANKING: 3
NEW PROJECT: Yes



PROJECT DESCRIPTION: Install replacement Continuous Opacity Monitoring System (COMS) on VanSant to replace failing system.

NEED, JUSTIFICATION, BENEFIT: Current COMS is 13 years old and needs replacement. Parts for existing system are unavailable, and the system is no longer supported by the OEM.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Station can not operate without COMS. There is a potential that the current COMS could fail and we may not be able to repair it, thereby making the unit unavailable for service and in a forced outage it can be possibly repaired and/or the system is replaced.

THIS PROJECT IS RELATED TO THE FOLLOWING:

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS:

COMMENTS: Total project includes parts and labor to replace VanSant COMS

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction		27,000						27,000
Miscellaneous								
Other								
TOTAL		27,000						27,000

FINANCING:

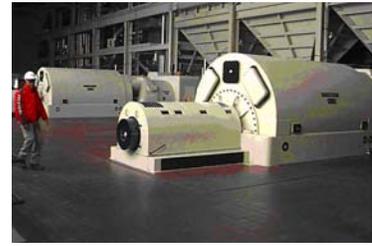
	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric Depreciation Reserve Fund		27,000						27,000
TOTAL		27,000						27,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

McKee Run Unit #1 Turbine Outage

FISCAL YEAR: 2012
PROJECT NO:
CATEGORY: Electric
DEPARTMENT: Public Utilities - Power Plant
DEPT. RANKING: 1
NEW PROJECT: Yes



PROJECT DESCRIPTION: Inspect turbine to determine if any repairs are needed to keep the unit operational and to assess life of the unit. Assess repair quotes, if repairs are needed, to determine best available options.

NEED, JUSTIFICATION, BENEFIT: An assessment of the unit needs to be performed due to insufficient data or industry standards on cycling units to determine inspection and estimated repair frequency.

CONSEQUENCES OF DELAYING OR ELIMINATING THIS PROJECT: Possible catastrophic equipment failure.

THIS PROJECT IS RELATED TO THE FOLLOWING: The plant will attempt a borescope in Fiscal Year 2008 to determine the internal conditions. If successful and conditions allow, this project can be scheduled for Fiscal Year 2011. If the borescope results indicate conditions that are unacceptable, this project might need to be moved up or the unit retired.

EXPLANATION OF IMPACT ON OPERATING BUDGET:

TIME-LINE/CURRENT STATUS: Borescope will be attempted in Fiscal Year 2008.

COMMENTS: Total project includes removing the turbine shell and inspection of all turbine parts including blades. McKee Run Units 1 and 2 are both scheduled for Fiscal Year 2011 inspections in order to capitalize on keeping common mobilization costs low. The project price is an estimated cost to perform the work. It would be possible to split this into one unit one year and one unit the next year, however there would be a slight increase in the expected cost for the two projects together.

FIVE-YEAR COST BREAKDOWN SCHEDULE:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Planning and Design								
Land								
Construction								
Miscellaneous								
Other						500,000		500,000
TOTAL						500,000		500,000

FINANCING:

	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL
Electric I and E Fund						500,000		500,000
TOTAL						500,000		500,000

IMPACT ON OPERATING BUDGET:

Description	Prior to 2008	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	After 2012	TOTAL

VEHICLE REPLACEMENT EXPENDITURES
Total Vehicle Summary

CATEGORY	PAGE	TOTAL 5 YEAR COST	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
General Fund							
Electric Meter Reading	249	20,250			20,250		
Facilities Management	249	48,288		32,192	16,096		
Parks and Recreation	249	17,400			17,400		
Police	250	1,287,143	224,420	378,941	322,685	178,845	182,252
Tax Assessor	251	20,000		20,000			
Public Services - Administration	251	20,100	20,100				
Public Services - Grounds	252	683,538	129,913	250,502	133,025	101,798	68,300
Public Services - Inspections	252	156,000	96,000	12,000	16,000	32,000	
Public Services - Sanitation	253	1,978,300	502,800	741,000	259,500	462,000	13,000
Public Services - Streets	253	1,246,085	96,000	686,335	300,650	38,800	124,300
Subtotal		5,477,104	1,069,233	2,120,970	1,085,606	813,443	387,852
Electric I and E Fund							
Public Utilities - Electric Eng	254	133,000	23,000	110,000			
Public Utilities - Trans and Dist	254	152,000	40,000	93,500		18,500	
Subtotal		285,000	63,000	203,500		18,500	
Water/Wastewater Fund							
Public Utilities – Water/Wastewater Engineering	254	99,245	50,000	27,000	22,245		
Public Utilities – Wastewater Management	255	355,400	93,100	78,400	183,900		
Public Utilities – Water Management	255	477,426	326,126	78,400	72,900		
Public Utilities - Water Constr	256	726,595	32,450	154,650	431,000	108,495	
Public Utilities - Water Treat Plant	256	56,400	17,700		38,700		
Subtotal		1,669,166	493,376	318,550	748,745	108,495	
TOTAL		7,431,270	1,625,609	2,643,020	1,834,351	940,438	387,852

VEHICLE DETAIL

Electric Meter Reading

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2010 Full Size Pick-Up Truck	155	2001 Dodge Ram 1500 Truck			20,250		
TOTAL					20,050		

Facilities Management

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2009 Ford Van 3/4 Ton E350	435	1999 Dodge RMV Van		16,096			
2009 Ford Van 3/4 Ton E350	438	1996 Dodge B2500		16,096			
2010 Ford Van 3/4 Ton E350	436	1996 Ford Van			16,096		
TOTAL				32,192	16,096		

Parks and Recreation

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2010 7-Passenger Mini Van	590	2002 Dodge Van			17,400		
TOTAL					17,400		

Police

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 Ford Fusion	241	2000 Ford Taurus	15,132				
2008 Ford Fusion	205	1999 Ford Taurus	15,132				
2008 Ford Fusion	210	1999 Ford Taurus	15,132				
2008 Ford Crown Victoria	285	2002 Ford Crown Victoria	24,297				
2008 Ford Crown Victoria	287	2002 Ford Crown Victoria	24,297				
2008 Ford Crown Victoria	234	2000 Ford Crown Victoria	24,297				
2008 Ford Crown Victoria	222	1999 Ford Crown Victoria	24,297				
2008 Ford Crown Victoria	230	2000 Ford Crown Victoria	24,297				
2008 Ford Crown Victoria	286	2003 Ford Crown Victoria	24,297				
2008 Harley Davidson FLHTP1	256	2004 HD FLHTP1	16,621				
2008 Harley Davidson FLHTP1	257	2004 HD FLHTP1	16,621				
2009 Ford E-450 Custom	246	1996 FORD E-450		76,858			
2009 Ford Fusion	209	1999 Ford Taurus		15,132			
2009 Ford Fusion	242	2000 Ford Taurus		15,132			
2009 Ford Fusion	204	1999 Ford Taurus		15,132			
2009 Ford Fusion	269	1999 Ford Taurus		15,560			
2009 Ford Econoline E-350	207	1998 Ford E-350		16,175			
2009 Ford Crown Victoria	250	2004 FORD Crown Victoria		24,719			
2009 Ford Crown Victoria	255	2004 FORD Crown Victoria		24,719			
2009 Ford Crown Victoria	273	2003 Ford Crown Victoria		24,297			
2009 Ford Crown Victoria	274	2003 Ford Crown Victoria		24,297			
2009 Ford Crown Victoria	282	2001 FORD Crown Victoria		24,719			
2009 Ford Crown Victoria	283	2001 FORD Crown Victoria		24,719			
2009 Ford Crown Victoria	284	2001 FORD Crown Victoria		24,719			
2009 Ford F-150 P/U	296	2002 FORD F-150		19,197			
2009 Harley Davidson FLHTP1	266	2004 HD FLHTP1		16,945			
2009 Harley Davidson FLHTP1	268	2004 HD FLHTP1		16,621			
2010 Ford Fusion	206	2002 FORD Taurus			16,002		
2010 Ford Fusion	208	2002 FORD Taurus			16,002		
2010 Ford Crown Victoria	237	2004 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	251	2004 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	252	2004 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	253	2004 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	254	2004 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	293	2003 FORD Crown Victoria			25,149		
2010 Ford Crown Victoria	297	2003 FORD Crown Victoria			25,149		
2010 Ford E-250 Custom	281	1999 FORD E-250			97,362		
2010 Harley Davidson FLHTP1	267	2006 HD FLHTP1			17,276		
2011 Ford Crown Victoria	275	2005 FORD Crown Victoria				25,588	
2011 Ford Crown Victoria	276	2005 FORD Crown Victoria				25,588	
2011 Ford Crown Victoria	277	2005 FORD Crown Victoria				25,588	
2011 Ford Crown Victoria	279	2005 FORD Crown Victoria				25,588	
2011 Ford Crown Victoria	288	2005 FORD Crown Victoria				25,588	
2011 Ford E-350 Custom	299	2001 FORD E-350				50,905	

Police
(continued)

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2012 Ford Crown Victoria	217	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	218	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	219	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	226	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	229	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	233	2006 Ford Crown Victoria					26,036
2012 Ford Crown Victoria	232	2006 Ford Crown Victoria					26,036
TOTAL			224,420	378,941	322,685	178,845	182,252

Tax Assessor

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 4-Door Sedan	4	2002 Dodge Stratus		20,000			
TOTAL				20,000			

Public Services – Administration

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 1/2 Ton 4WD Pick-Up Truck	420	2001 Dodge Pick-Up Truck	20,100				
TOTAL			20,100				

Public Services – Grounds

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 Aerial Lift Truck w/Chip	556	1992 Int'l Aerial Truck	129,913				
2009 1-Ton Crew Cab Dump Truck	551	1998 Chevrolet 1-Ton Crew Cab Dump		32,501			
2009 1-Ton Crew Cab Dump Truck	552	1995 Ford 1-Ton Crew Truck		32,501			
2009 3/4 Ton 4WD Pick-Up Truck	558	1999 Dodge Pick-Up Truck		25,274			
2009 Wing Mower	561	2001 Toro 455-D Mower		48,404			
2009 300 Gallon Sprayer	565	1990 FMC Sprayer 300 Gal)		16,207			
2009 Stump Grinder	566	1988 Vermeer Stump Grinder		39,072			
2009 52" Cut Front Mount Mower	568	1998 Ex-Mark Mower		9,000			
2009 1-Ton Dump Truck	577	1992 Ford 1-Ton Dump Truck		29,386			
2009 3/4 Ton Pick-Up Truck	580	1991 Chevrolet Pick-Up Truck		18,157			
2010 52" Cut Front Mount Mower	563	1993 XMark Mower EXS20K0			9,140		
2010 3/4 Ton 4WD Pick-Up Truck	553	2001 Dodge Pick-Up Truck			26,861		
2010 Dump Truck w/Chip Body	554	1999 Chevrolet Dump Truck			57,700		
2010 Brush Chipper	579	1999 Bandit Chipper			39,324		
2011 Tractor w/4WD	569	2001 Kubota Tractor				32,258	
2011 Brush Chipper	588	1994 Vermeer Chipper				40,540	
2011 3/4 Ton Pick-Up w/Dump	557	1992 Dodge Pick-Up Truck				29,000	
2012 Utility Trailer	578	1991 Intn'l Trailer					8,150
2012 3/4 Ton 4WD Pick-Up Truck	550	2002 Dodge Ton Pick-Up Truck					29,750
2012 300 Gallon Sprayer	585	2002 John Bean 300 Gallon Sprayer					19,900
2012 X-Mark Mower	573	2006 X-Mark Mower					10,500
TOTAL			129,913	250,502	133,025	101,798	68,300

Public Services – Inspections

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 4x4 SUV. transfer from Fire	12	1993 Chevrolet Suburban					
2008 4x4 SUV	23	1994 Ford Crown Victoria	26,000				
2008 Six-Wheel Box Truck	new	N/A	70,000				
2009 Mid-size Sedan	20	1997 Dodge Neon		12,000			
2010 1/2 Ton Pick-Up Truck	19	2001 Dodge Pick-Up Truck			16,000		
2011 1/2 Ton Pick-Up Truck	22	2001 Dodge Pick-Up Truck				16,000	
2011 1/2 Ton Pick-Up Truck	18	2001 Dodge Pick-Up Truck				16,000	
TOTAL			96,000	12,000	16,000	32,000	

Public Services – Sanitation

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 1/2 Ton Pick-Up Truck	440	2000 Dodge Pick-Up Truck	16,800				
2008 Automated Trash Truck	441	1988 Peterbilt Automated Truck	195,000				
2008 Bulky Trash Truck	448	1993 Ford Bulk Truck	120,000				
2008 20-Yard Rear Loader	452	1998 Int'l Rear Loader	121,000				
2008 Peterbilt Side Loader	451	2006 Peterbilt Side Loader	50,000				
2009 Automated Trash Truck	444	2003 Peterbilt Automated Truck		210,000			
2009 Bulky Trash Truck	446	1990 Int'l. Bulk Truck		126,000			
2009 Automated Trash Truck	450	2003 Peterbilt Automated Truck		210,000			
2009 Automated Trash Truck	455	2001 Volvo Automated Truck		195,000			
2010 Bulky Trash Truck	447	2003 Sterling Bulk Truck			127,500		
2010 20-Yard Rear Loader	449	2002 Int'l Rear Loader			132,000		
2011 Automated Trash Truck	442	2004 Peterbilt Automated Truck				231,000	
2011 Automated Trash Truck	443	2004 Peterbilt Automated Truck				231,000	
2012 Trailer	453	2002 Hurst Trailer					13,000
TOTAL			502,800	741,000	259,500	462,000	13,000

Public Services – Streets

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 6-Wheel Dump Truck w/Plow	329	1993 Int'l Dump Truck	96,000				
2009 1-Ton Roller	308	1997 Wolfpac Roller		14,500			
2009 1-Ton Diesel Utility Truck	345	2001 Dodge Utility Truck		45,300			
2009 6-Wheel Dump Truck w/Plow	328	1992 Int'l Dump Truck		96,000			
2009 6-Wheel Dump Truck w/plow	321	2001 Int'l Dump Truck		96,000			
2009 Street Sweeper	357	2002 Int'l Street Sweeper		137,000			
2009 1-Ton Pick Up w/Dump Body	330	1999 Dodge Pick-Up Truck		39,000			
2009 6-Wheel Dump w/Snow Plow	322	2001 Int'l Dump Truck		104,500			
2009 6-Wheel Dump Truck w/Plow	324	2001 Int'l Dump Truck		104,500			
2009 1/2 Ton Pick-Up Truck	331	2001 Dodge Pick-Up Truck		19,535			
2009 Leaf Vacuum Trailer	363	2002 OLDM Leaf Vac Trailer		30,000			
2010 Truck Mounted Leaf Vac	366	1992 Int'l Leaf Truck			72,000		
2010 Backhoe	319	1986 Case Backhoe			96,000		
2010 F/E Loader	312	2001 Case F/E Loader			100,650		
2010 Leaf Vacuum Trailer	361	2002 ODB Leaf Vac Trailer			32,000		
2011 1/2 Ton Pick-Up Truck	332	2003 Chevrolet Pick-Up Truck				19,800	
2011 Air Compressor	382	2002 Airman Air Compressor				19,000	
2012 Wheel Loader	316	2002 Cse Front End Loader					111,300
2012 Blacktop Trailer	394	1986 Hudson Trailer					13,000
TOTAL			96,000	686,335	300,650	38,800	124,300

Public Utilities – Electric Engineering

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 1/2 Ton Pick-Up Truck	7	1997 Chevrolet Lumina	23,000				
2009 Pick-Up Truck	785	1993 Ranger Pick-Up Truck		15,000			
2009 Pick-Up Truck	784	2000 Dodge Pick-Up Truck		23,500			
2009 Pick-Up Truck	786	2000 Dodge Pick-Up Truck		23,500			
2009 Pick-Up Truck	740	2001 Dodge Pick-Up Truck		24,000			
2009 Pick-Up Truck	742	2001 Dodge Pick-Up Truck		24,000			
TOTAL			23,000	110,000			

Public Utilities – Electric Transmission and Distribution

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 Ford F350/Cab	796	1997 Ford F350 Cab	40,000				
2009 Int'l w/ Reel Loader	757	1995 Int'l 40S		75,000			
2009 Pick-Up Truck	791	1996 Dodge Pick-Up Truck		18,500			
2011 Pick-Up Truck	767	2001 Dodge Pick-Up Truck				18,500	
TOTAL			40,000	93,500		18,500	

Public Utilities – Water/Wastewater Engineering

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 3/4 Ton Pick-Up Truck	new	N/A	25,000				
2008 3/4 Ton Pick-Up Truck	new	N/A	25,000				
2009 Ford Escape Hybrid	421	1995 GMC Jimmy		27,000			
2010 1/2 Ton 4WD Pick-Up Truck	418	2003 Chevrolet Pick-Up Truck			22,245		
TOTAL			50,000	27,000	22,245		

Public Utilities – Wastewater Management

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 1/2 Ton Pick-Up Truck	661	2000 Dodge Pick-Up Truck	8,200				
2008 1-Ton Utility Truck	665	2001 Dodge Pick-Up Truck	39,000				
2008 Case 590 Backhoe	672	1993 Ford Backhoe	45,900				
2009 1/2 Ton Pick-Up Truck	655	2003 Chevrolet Pick-Up Truck		8,600			
2009 1-Ton Utility Truck	680	2001 Dodge 1-Ton Pick-Up Truck		15,300			
2009 1/2 Ton Pick-Up Truck	695	2001 Dodge Pick-Up Truck		8,600			
2010 Trailer Mounted Generator	601	1987 Empire Generator			24,000		
2010 Trailer Mounted Generator	602	1987 Empire Generator			24,000		
2010 Trailer Mounted Generator	603	1987 Empire Generator			24,000		
2010 1/2 Ton Pick-Up Truck	663	2002 Dodge Pick-Up Truck			9,000		
2010 1-Ton Utility Truck	664	2002 Ford 1-Ton Pick-Up Truck			39,000		
2010 1/2 Ton Pick-Up Truck	668	2002 Dodge Pick-Up Truck			9,000		
2010 Dump Truck w/10' Body	671	2002 Sterling Dump Truck			46,900		
2010 Air Compressor	683	2000 Airman Air Compressor			8,000		
TOTAL			93,100	32,500	183,900		

Public Utilities – Water Management

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 3/4 Ton Pick-Up Truck	new	N/A	26,000				
2008 Sterling Dump Truck	681	1998 Sterling Dump Truck	220,026				
2008 Case 590 Backhoe	672	1993 Ford Backhoe	45,900				
2008 1/2 ton Pick-Up Truck	661	2000 Dodge Pick-Up	8,200				
2009 3/4 Ton Pick-Up Truck	new	N/A		26,000			
2009 1/2 Ton Pick-Up Truck	655	2003 Chevrolet Pick-up		8,600			
2009 Case 590 Backhoe	674	1997 New Hollan Backhoe		45,900			
2009 1-Ton Utility Truck	680	2001 Dodge 1-Ton Utility Truck		15,300			
2009 1/2 Ton Pick-Up	695	2001 Dodge Pick-Up		8,600			
2010 1/2 Ton Pick-Up Truck	663	2002 Dodge Pick-Up			9,000		
2010 1/2 Ton Pick-Up Truck	668	2002 Dodge Pick-Up			9,000		
2010 Dump Truck w/10' Body	671	2002 Sterling Dump Truck			46,900		
2010 Air Compressor	683	2000 Airman Air Compressor			8,000		
TOTAL			326,126	78,400	72,900		

Public Utilities – Water Construction

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 Air Compressor	407	1985 Leroy Air Compressor	13,250				
2008 1/2 Ton 4WD Pick-Up Truck	427	1999 Dodge Pick-Up Truck	19,200				
2008 Vibratory Trench Roller	401	1996 Wacker RT820		29,000			
2009 Broom Tractor	406	1995 John Deere Broom Tractor		30,000			
2009 1-Ton Utility Truck	403	1999 Dodge 1 Ton Pick-Up Truck		30,650			
2009 Flat Bed Truck	422	1991 Internatio Flat Bed Truck		65,000			
2010 Loader	402	1995 Caterpillar Loader			150,000		
2010 Excavator w/ 36	400	1995 Caterpillar Excavator			263,000		
2010 1/2 Ton Pick-Up Truck	426	2001 Dodge Pick-Up Truck			18,000		
2011 Dozer	408	1995 Caterpillar Dozer				89,500	
2011 1/2 Ton Pick-Up Truck	419	2001 Dodge Pick-Up Truck				18,995	
TOTAL			32,450	154,650	431,000	108,495	

Public Utilities – Water Treatment Plant

DESCRIPTION OF PROPOSED VEHICLE/EQUIPMENT	NO.	REPLACES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
2008 3/4 Ton Van	662	1998 Ford Van	17,700				
2010 3/4 Ton Van	621	1992 Dodge Van			18,000		
2010 3/4 Ton Pick-Up Truck	660	2001 Dodge Pick-Up Truck			20,700		
TOTAL			17,700		38,700		

TOTAL CITY SUMMARY

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
GRAND TOTAL	1,625,609	2,643,020	1,834,351	940,438	387,852