

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2016 TO 2021

	Fiscal Year						Prior Allocation	Balance to Complete	Total Project Cost
	2016	2017	2018	2019	2020	2021			
<b>UTILITIES ENTERPRISE:</b>									
Freedom District - Relief Sewer No. 2	\$0	\$1,367,000	\$0	\$0	\$0	\$0	\$164,000	\$0	\$1,531,000
Freedom District - Relief Sewer No. 4 (Snowden's Creek)	0	652,000	0	0	0	0	108,500	0	760,500
Freedom District - Relief Sewer No.10 (Sykesville Interceptor)	0	83,000	449,000	0	0	0	405,300	0	937,300
Freedom WWTP Enhanced Nutrient Removal	2,000,000	0	0	0	0	0	8,500,000	0	10,500,000
Gravity Sewer Main - Houcksville Rd to Treatment Plant	1,729,000	0	0	0	0	0	251,400	0	1,980,400
Hampstead WWTP Enhanced Nutrient Removal	15,340,000	0	0	0	0	0	3,000,000	0	18,340,000
Hydrant Replacements	104,000	110,000	115,000	121,000	127,000	133,000	0	0	710,000
Patapsco Valley Pump Station Upgrade	0	0	0	308,000	0	0	0	0	308,000
Sewer Main Rehabilitation	364,000	382,000	401,000	730,000	784,000	823,000	0	0	3,484,000
Sewer Manhole Rehabilitation	211,000	222,000	233,000	245,000	258,000	271,000	0	0	1,440,000
Stone Manor Pump Station Rehabilitation	0	306,000	0	0	0	0	0	0	306,000
Tank Painting, Repair and Rehabilitation	250,000	262,500	297,000	289,000	303,000	342,000	0	0	1,743,500
Town of Sykesville Streetscape - Water and Sewer Upgrades	0	260,000	1,560,000	0	0	0	0	0	1,820,000
Town of Sykesville Water and Sewer Upgrades	0	0	0	0	900,000	1,475,000	0	8,900,000	11,275,000
Water Main Loops	0	202,600	224,100	522,600	386,100	0	489,000	0	1,824,400
Water Main Valve Replacements	164,000	206,000	217,000	228,000	240,000	265,000	0	0	1,320,000
Water Meters	462,000	486,000	510,000	444,000	467,000	389,000	0	0	2,758,000
Water Service Line Replacement	200,000	205,000	210,000	215,000	221,000	226,000	0	0	1,277,000
Water/Sewer Studies	400,000	0	0	0	100,000	0	0	0	500,000
Waters Edge Pump Station Rehabilitation	0	0	275,000	0	0	0	0	0	275,000
West Hampstead Collector Sewer Main Upgrade/Repair	0	1,697,400	0	0	0	0	147,600	0	1,845,000
Winfield Pump Station Upgrade	0	0	0	176,000	0	0	0	0	176,000
<b>UTILITIES ENTERPRISE TOTAL</b>	<b>\$21,224,000</b>	<b>\$6,441,500</b>	<b>\$4,491,100</b>	<b>\$3,278,600</b>	<b>\$3,786,100</b>	<b>\$3,924,000</b>	<b>\$13,065,800</b>	<b>\$8,900,000</b>	<b>\$65,111,100</b>
<b>SOURCES OF FUNDING:</b>									
Transfer from General Fund	\$0	\$0	\$0	\$176,000	\$0	\$0	\$0	\$0	\$176,000
Utilities User Fees	10,540,000	4,339,500	2,722,100	3,102,600	2,886,100	2,449,000	6,888,000	0	32,927,300
Maintenance Fee	1,000,000	191,463	1,424,300	0	900,000	1,475,000	2,609,950	8,900,000	16,500,713
Area Connection Charges	4,424,000	1,910,537	344,700	0	0	0	3,567,850	0	10,247,087
Grants	5,260,000	0	0	0	0	0	0	0	5,260,000
<b>UTILITIES ENTERPRISE TOTAL</b>	<b>\$21,224,000</b>	<b>\$6,441,500</b>	<b>\$4,491,100</b>	<b>\$3,278,600</b>	<b>\$3,786,100</b>	<b>\$3,924,000</b>	<b>\$13,065,800</b>	<b>\$8,900,000</b>	<b>\$65,111,100</b>



# Freedom District - Relief Sewer No. 4 (Snowden's Creek)

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6376

This project provides planned funding for replacing 2,050 feet of a sewer main that parallels Snowden's Creek Road. A video camera inspection has shown numerous sags in the main which constrict flow and allow storm water inflow and infiltration into the system. The main was originally constructed in 1978.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							108,500		<b>108,500</b>
Land Acquisition		26,000							<b>26,000</b>
Site Work		52,000							<b>52,000</b>
Construction		522,000							<b>522,000</b>
Equipment/Furnishings									<b>0</b>
Other		52,000							<b>52,000</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>652,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108,500</b>	<b>0</b>	<b>760,500</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									<b>0</b>
Utilities User Fees									<b>0</b>
Maintenance Fee		43,684					23,472		<b>67,156</b>
Area Connection Charges		608,316					85,028		<b>693,344</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Freedom District - Relief Sewer No.10 (Sykesville Interceptor)

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6382

This project provides planned funding for the upgrade and repair of a twelve-inch sewer main that runs parallel to the railroad tracks and the South Branch Patapsco River and ends at the Sykesville Pump Station. This section of sanitary sewer main was constructed in 1969. An engineering evaluation will be performed for the possible addition of a pump station to move the sewer line from its current location between the CSX line and the river to under Oklahoma Road.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		20,500					79,500		<b>100,000</b>
Land Acquisition		62,500							<b>62,500</b>
Site Work							86,800		<b>86,800</b>
Construction			408,000				217,000		<b>625,000</b>
Equipment/Furnishings									<b>0</b>
Other			41,000				22,000		<b>63,000</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>83,000</b>	<b>449,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>405,300</b>	<b>0</b>	<b>937,300</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									<b>0</b>
Utilities User Fees									<b>0</b>
Maintenance Fee		19,281	104,300				65,817		<b>189,398</b>
Area Connection Charges		63,719	344,700				339,483		<b>747,902</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Freedom WWTP Enhanced Nutrient Removal

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6419

This project provides funding for the required upgrade at the Freedom District Wastewater Treatment Plant. The Maryland Department of the Environment (MDE) is requiring this wastewater treatment facility to meet the Enhanced Nutrient Removal (ENR) effluent limits. Maryland Environmental Services (MES) operates, maintains, and currently holds the National Pollution Discharge Elimination System Permit (NPDES) issued by the MDE. The total cost estimate of this project is approximately twenty-six million and this project funds the Bureau of Utilities portion. The funding in FY 16 is for the replacement of the sludge press.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction							8,300,000		8,300,000
Equipment/Furnishings	1,900,000								1,900,000
Other	100,000						200,000		300,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,500,000</b>	<b>0</b>	<b>10,500,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	500,000						3,000,000		3,500,000
Maintenance Fee	1,000,000						2,500,000		3,500,000
Area Connection Charges	500,000						3,000,000		3,500,000
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Gravity Sewer Main - Houcksville Rd to Treatment Plant

District Location: 2

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6422

This project provides funding to install a ten-inch force main from an existing force main on Houcksville Road near MD 30 along MD 88 for approximately 2,600 feet, then southeast an additional 3,100 feet to the north side of the Hampstead Wastewater Treatment Plant. Most of the gravity sewer main was installed in the late 1960s and today runs through a very densely populated area.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	24,000						188,550		212,550
Land Acquisition	8,000						62,850		70,850
Site Work	141,000								141,000
Construction	1,414,000								1,414,000
Equipment/Furnishings									0
Other	142,000								142,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>1,729,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>251,400</b>	<b>0</b>	<b>1,980,400</b>

<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	1,729,000						251,400		1,980,400
Maintenance Fee									0
Area Connection Charges									0

<b>PROJECTED OPERATING IMPACTS</b>									
	0	0	0	0	0	0			0

# Hampstead WWTP Enhanced Nutrient Removal

District Location: 2

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6430

This project provides funding for the required upgrade at the Hampstead Wastewater Treatment Plant. The Maryland Department of the Environment (MDE) is requiring this wastewater treatment facility to meet the Enhanced Nutrient Removal (ENR) effluent limits.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	410,000						500,000		910,000
Land Acquisition	30,000								30,000
Site Work	300,000								300,000
Construction	13,700,000						2,500,000		16,200,000
Equipment/Furnishings									0
Other	900,000								900,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>15,340,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,000,000</b>	<b>0</b>	<b>18,340,000</b>
<b>SOURCES OF FUNDS</b>									
Utilities User Fees	6,156,000						3,000,000		9,156,000
Maintenance Fee									0
Area Connection Charges	3,924,000								3,924,000
Grants (MDE, CDBG)	5,260,000								5,260,000
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Hydrant Replacements

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6359

This project provides ongoing funding to replace the County's 900 hydrants. The annual allocation for this project funds the replacement of approximately 25 hydrants.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings	104,000	110,000	115,000	121,000	127,000	133,000			710,000
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>104,000</b>	<b>110,000</b>	<b>115,000</b>	<b>121,000</b>	<b>127,000</b>	<b>133,000</b>	<b>0</b>	<b>0</b>	<b>710,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	104,000	110,000	115,000	121,000	127,000	133,000			710,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>0</b>



# Patapsco Valley Pump Station Upgrade

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to rehabilitate the Patapsco Valley Pump Station, which was built in 2000, with new pumps, controls, grinder, generator, roofing, bypass valving, fencing and paving repairs.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings				280,000					280,000
Other				28,000					28,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees				308,000					308,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Sewer Main Rehabilitation

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6421

This project provides ongoing funding for the lining and/or pipe bursting of the sanitary sewer mains. Lining the pipe increases the life of the sewer mains by sealing the joints and cracks and stopping tree roots and inflow and infiltration from damaging the system. Pipe bursting is a trenchless method for replacement of sewer pipes.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	331,000	347,000	364,000	692,000	744,000	781,000			3,259,000
Equipment/Furnishings									0
Other	33,000	35,000	37,000	38,000	40,000	42,000			225,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>364,000</b>	<b>382,000</b>	<b>401,000</b>	<b>730,000</b>	<b>784,000</b>	<b>823,000</b>	<b>0</b>	<b>0</b>	<b>3,484,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	364,000	382,000	401,000	730,000	784,000	823,000			3,484,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Sewer Manhole Rehabilitation

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6403

This project provides ongoing funding to rehabilitate the Freedom area's 3,000 sanitary sewer manholes and Hampstead's 1,000 sanitary sewer manholes. The funding for this project will address 40 - 60 manholes annually. Repair strategies include foam injection rehabilitation, structure rehabilitation through spray-on lining, the addition of manhole risers to raise the top of structures above ground level to 100 year flood plain elevations, and replacement of existing manhole covers with sealed structures.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	211,000	222,000	233,000	245,000	258,000	271,000			1,440,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>211,000</b>	<b>222,000</b>	<b>233,000</b>	<b>245,000</b>	<b>258,000</b>	<b>271,000</b>	<b>0</b>	<b>0</b>	<b>1,440,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	211,000	222,000	233,000	245,000	258,000	271,000			1,440,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Stone Manor Pump Station Rehabilitation

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to rehabilitate the Stone Manor Pump Station, which was built in 1997, with new pumps and controls, roofing, a generator, and upgrade of the electrical system.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings		255,000							255,000
Other		51,000							51,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>306,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>306,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees		306,000							306,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Tank Painting, Repair and Rehabilitation

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6332

This project provides ongoing funding for protective coatings to both interior and exterior surfaces, addressing safety concerns, performing ongoing spot maintenance on coatings to protect assets from corrosion, trimming and/or removal of trees around the tank that affect the coating, and general security maintenance upgrades of water storage tanks. The following water tank sites are planned for painting as funds become available:

Martz Road  
Bark Hill  
Liberty

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work	250,000	262,500	275,000	289,000	303,000	318,000			1,697,500
Construction									0
Equipment/Furnishings									0
Other			22,000			24,000			46,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>250,000</b>	<b>262,500</b>	<b>297,000</b>	<b>289,000</b>	<b>303,000</b>	<b>342,000</b>	<b>0</b>	<b>0</b>	<b>1,743,500</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	250,000	262,500	297,000	289,000	303,000	342,000			1,743,500
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>0</b>



# Town of Sykesville Water and Sewer Upgrades

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to rehabilitate or replace the cast iron water mains and clay sanitary sewer lines in the Town of Sykesville. The Bureau of Utilities operates and maintains both the water and sewer lines in the Town, which are between 50 and 90 years old. The aging condition of lines has led to water and sanitary sewer breaks, affecting both businesses and residents. Engineering for the project is expected to start in FY 20 and construction will begin in FY 21 and continue through FY 28.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					900,000				900,000
Land Acquisition									0
Site Work									0
Construction						1,475,000		8,900,000	10,375,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>	<b>1,475,000</b>	<b>0</b>	<b>8,900,000</b>	<b>11,275,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees									0
Maintenance Fee					900,000	1,475,000		8,900,000	11,275,000
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Water Main Loops

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6425

This project provides funding to connect various water mains in the Freedom area to provide adequate looping in the Freedom water system. Looping of water mains is the connection of dead ends of two separate water lines. Connecting these lines improves water flow throughout the system, provides for fire flow improvements, and helps maintain and improve water quality.

Projects include:

- Calvert Way and Dale Drive 8" loop (925')
- Kennard Court and Lawrence Court 8" loop (510')
- Sussex Court and Breckenridge Court 8" loop (1,650')
- Brunswick Drive and Woodridge Lane 8" loop (1,050')
- Slacks Road from Quad Lane to Macbeth Way 8" loop (1,150')
- Oklahoma Avenue (Sykesville) from Main Street to end on Oklahoma Avenue 8" loop (1,300')
- Ronsdale Road to Linton Road 8" loop (1,640')

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design/Insp.			24,900	58,100	42,900		154,000		279,900
Land Acquisition		6,800	8,300	19,400	14,300		16,000		64,800
Site Work		22,400	8,300	19,400	14,300				64,400
Construction		155,700	166,000	387,000	286,000		292,000		1,286,700
Equipment/Furnishings									0
Other		17,700	16,600	38,700	28,600		27,000		128,600
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>202,600</b>	<b>224,100</b>	<b>522,600</b>	<b>386,100</b>	<b>0</b>	<b>489,000</b>	<b>0</b>	<b>1,824,400</b>

<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees		202,600	224,100	522,600	386,100		489,000		1,824,400
Maintenance Fee									0
Area Connection Charges									0

<b>PROJECTED OPERATING IMPACTS</b>									
	0	0	0	0	0	0			0



# Water Main Valve Replacements

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6428

This project provides ongoing funding to replace the County's water line valves and blow-off valves. Water line valves provide ability to shut off lines in the event of water main breaks or new tapplings into the system. Blow-off valves allow for waterline flushing to reduce the buildup of sediment and stagnant water. The planned annual allocation will fund approximately 25 valve replacements.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	164,000	206,000	217,000	228,000	240,000	265,000			1,320,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>164,000</b>	<b>206,000</b>	<b>217,000</b>	<b>228,000</b>	<b>240,000</b>	<b>265,000</b>	<b>0</b>	<b>0</b>	<b>1,320,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	164,000	206,000	217,000	228,000	240,000	265,000			1,320,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Water Meters

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6311

This project provides ongoing funding for the upgrade and replacement of the 10,000 existing meters. The upgrade will include software and hardware equipment that will enable staff to collect meter readings while driving by homes and could also include replacement of the vault and/or conversion from curb stop type water house connections to meter vault type connections. The conversion to meter vaults would move the meter from inside private houses to a vault located in the County right-of-way to allow easier maintenance and meter readings.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	42,000	45,000	47,000	49,000	52,000	54,000			289,000
Equipment/Furnishings	420,000	441,000	463,000	395,000	415,000	335,000			2,469,000
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>462,000</b>	<b>486,000</b>	<b>510,000</b>	<b>444,000</b>	<b>467,000</b>	<b>389,000</b>	<b>0</b>	<b>0</b>	<b>2,758,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	462,000	486,000	510,000	444,000	467,000	389,000			2,758,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Water Service Line Replacement

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6429

This project provides ongoing funding to replace water service lines and water meter pig-tails in the Freedom area of the County. The service lines vary in length, but typically average 50 to 75 feet. The annual allocation for this project funds the replacement of approximately 60 water service lines each year.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	200,000	205,000	210,000	215,000	221,000	226,000			1,277,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>200,000</b>	<b>205,000</b>	<b>210,000</b>	<b>215,000</b>	<b>221,000</b>	<b>226,000</b>	<b>0</b>	<b>0</b>	<b>1,277,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees	200,000	205,000	210,000	215,000	221,000	226,000			1,277,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Water/Sewer Studies

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6385

This project provides funding for a study of the Freedom water distribution system and of the Freedom and Hampstead sewer collection systems. The studies performed will include asset conditions, expected life, capacity condition, breaches in system, etc. The study will also become a platform for follow-up studies to keep the study up-to-date for the budgeting and maintenance scheduling.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	400,000				100,000				<b>500,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction									<b>0</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									<b>0</b>
Utilities User Fees	400,000				100,000				<b>500,000</b>
Maintenance Fee									<b>0</b>
Area Connection Charges									<b>0</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Waters Edge Pump Station Rehabilitation

District Location: 5

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to rehabilitate the Waters Edge Pump Station, which was built in 2001, with new pump assembly, roofing, updated electric controls, grinder, paving and fencing.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings			230,000						230,000
Other			45,000						45,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>275,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees			275,000						275,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>0</b>

# West Hampstead Collector Sewer Main Upgrade/Repair

District Location: 2

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

6426

This project provides planned funding for the upgrade, repair and/or replacement of the clay sewer main serving Carroll Street, Houcksville Road, Gill Avenue, and Shiloh Road on the west side of the Town of Hampstead. The main was originally constructed in 1968.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							147,600		147,600
Land Acquisition									0
Site Work		73,800							73,800
Construction		1,476,000							1,476,000
Equipment/Furnishings									0
Other		147,600							147,600
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>1,697,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>147,600</b>	<b>0</b>	<b>1,845,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Utilities User Fees		1,697,400					147,600		1,845,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Winfield Pump Station Upgrade

District Location: 4

Robin Hooper, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to rehabilitate the Winfield Pump Station, which was built in 1993, with new pumps, control systems, roofing, generator, bypass valving, and paving. This pump station was built by the Board of Education specifically for Winfield Elementary School on Salem Bottom Road.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings				160,000					160,000
Other				16,000					16,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>176,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>176,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund				176,000					176,000
Utilities User Fees									0
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			