

**COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2008 TO 2013**

**Adopted**

	Fiscal Year						Prior Allocation	Balance to Complete	Total Project Cost
	2008	2009	2010	2011	2012	2013			
<b>UTILITIES ENTERPRISE:</b>									
Bramble Hills Well System Rehabilitation	\$457,000	\$0	\$0	\$0	\$0	\$0	\$72,000	\$275,000	\$804,000
Carroll Highlands Pumping Station Renovation	52,250	0	0	0	0	150,000	0	1,017,750	1,220,000
Freedom Area Groundwater System - Well House	0	0	0	0	168,470	0	3,496,180	0	3,664,650
Freedom District Hydrant Replacement	97,500	102,380	107,500	112,880	118,520	124,450	0	0	663,230
Freedom District Hydraulic Looping-Brangles	0	0	0	176,105	0	0	0	0	176,105
Freedom District Hydraulic Looping-Sandosky Road	133,500	0	0	0	0	0	0	0	133,500
Freedom District Looping-Monroe (Oklahoma to Bennett)	12,500	49,250	0	0	0	0	0	0	61,750
Freedom District-Future Hydraulic Looping	0	0	0	0	0	0	904,900	2,381,645	3,286,545
Freedom District-Relief Sewer No. 2	0	0	110,700	824,000	0	0	0	0	934,700
Freedom Wastewater Treatment Plant Expansion	0	0	0	0	150,000	0	0	1,452,000	1,602,000
Freedom Water Treatment Plant Upgrade and Expansion	3,299,201	0	0	0	0	0	24,051,697	0	27,350,898
Freedom Water Treatment Plant Water Transmission Main	4,123,650	0	0	0	0	0	0	0	4,123,650
Freedom/Hampstead - Water Meters	71,300	74,870	78,610	82,540	86,670	91,000	0	0	484,990
Gaither Road 8" Sewer Line	0	122,000	0	1,216,900	0	0	0	0	1,338,900
Gaither Road 8" Water Main	0	261,200	0	1,473,600	0	0	0	0	1,734,800
Hampstead Facility Paving	0	0	0	0	0	376,000	0	0	376,000
Hampstead Grit Removal System	0	0	0	0	280,000	0	0	0	280,000
Hampstead Office Renovations	100,000	0	0	0	0	0	0	0	100,000
Hampstead Sludge Dewatering Facility Replacement	0	0	150,000	396,000	0	0	480,000	0	1,026,000
Hampstead Ultraviolet Disinfections System Renovation	289,000	0	0	0	0	0	0	0	289,000
Hampstead Waste Activated Sludge Tank Renovation	158,200	670,000	0	0	0	0	0	0	828,200
Meter Vault Replacement	20,000	21,000	22,050	23,150	24,310	25,530	0	200,000	336,040
Pine Hill Wastewater Pumping Station Renovation	771,000	0	0	0	0	0	123,200	0	894,200
Piney Branch Interceptor-Upgrade/Repair Sewer Main	0	0	0	0	0	75,000	0	459,000	534,000
Replace Force & Gravity Sewer Mains at North Station	0	111,000	26,900	554,975	0	0	147,025	0	839,900
Sanitary Sewer Manhole Rehabilitation	150,000	150,000	150,000	150,000	150,000	150,000	0	0	900,000
Sanitary Sewer Studies	0	0	0	0	89,250	0	275,000	0	364,250
Shiloh Wastewater Pumping Station Renovation	1,300,000	0	0	0	0	0	216,000	0	1,516,000
Snowden's Run Wastewater Pumping Station Rehabilitation	222,850	0	567,150	0	0	0	0	0	790,000
Tank Painting	47,000	47,000	47,000	47,000	47,000	47,000	0	0	282,000
<b>UTILITIES ENTERPRISE TOTAL</b>	<b>\$11,304,951</b>	<b>\$1,608,700</b>	<b>\$1,259,910</b>	<b>\$5,057,150</b>	<b>\$1,114,220</b>	<b>\$1,038,980</b>	<b>\$29,766,002</b>	<b>\$5,785,395</b>	<b>\$56,935,308</b>
<b>SOURCES OF FUNDING:</b>									
Transfer from General Fund	\$457,000	\$0	\$0	\$0	\$0	\$0	\$72,000	\$275,000	\$804,000
Bonds	1,577,770	725,500	730,600	747,000	448,470	451,000	18,575,509	459,000	23,714,849
Enterprise Fund - Utilities	317,000	295,570	326,550	333,030	494,329	437,980	128,750	200,000	2,533,209
Maintenance Fee	3,561,361	99,680	189,310	156,008	96,421	125,775	4,125,579	788,436	9,142,570
Area Connection Charges	5,391,820	487,950	13,450	3,821,112	75,000	24,225	6,864,164	4,062,959	20,740,680
<b>UTILITIES ENTERPRISE TOTAL</b>	<b>\$11,304,951</b>	<b>\$1,608,700</b>	<b>\$1,259,910</b>	<b>\$5,057,150</b>	<b>\$1,114,220</b>	<b>\$1,038,980</b>	<b>\$29,766,002</b>	<b>\$5,785,395</b>	<b>\$56,935,308</b>

# Bramble Hills Well System Rehabilitation

Water

6400

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding for the rehabilitation of the Bramble Hills water system. The County was court-ordered to take ownership of the system, and it was found to be in very poor condition. To meet current standards, a new building will be required so the existing well is not housed in the same building as the chemicals for treating the water. Also included in the new building will be the motor control center, sampling station, and alarm system. The existing electric service does not meet current code. Along with a new electric service, the County will install phone lines so the system can be monitored from the Freedom Water Treatment Plant. A generator will be included to keep the pump operating when power is lost for extended periods of time. The distribution system will be replaced with a four inch water main with new services to each of the twelve houses. A backup well may be required by MDE in the future.

Projected operating impacts include: maintenance, utility costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							47,000	35,000	<b>82,000</b>
Land Acquisition							25,000	100,000	<b>125,000</b>
Site Work								20,000	<b>20,000</b>
Construction	415,000							105,000	<b>520,000</b>
Equipment/Furnishings									<b>0</b>
Other	42,000							15,000	<b>57,000</b>

**EXPENDITURES**

<b>TOTAL</b>	<b>457,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72,000</b>	<b>275,000</b>	<b>804,000</b>
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**SOURCES OF FUNDS**

Transfer from General Fund	457,000						72,000	275,000	<b>804,000</b>
Bonds									<b>0</b>
Enterprise Fund - Utilities									<b>0</b>
Maintenance Fee									<b>0</b>
Area Connection Charges									<b>0</b>

<b>PROJECTED OPERATING IMPACTS</b>	0	880	910	930	970	1,000
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# Freedom Area Groundwater System - Well House

Freedom Water

6339

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides additional funding to reconstruct the well house at the Fairhaven well site.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							300,000		300,000
Land Acquisition									0
Site Work									0
Construction					168,470		3,196,180		3,364,650
Equipment/Furnishings									0
Other									0

**EXPENDITURES**

<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>168,470</b>	<b>0</b>	<b>3,496,180</b>	<b>0</b>	<b>3,664,650</b>
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**SOURCES OF FUNDS**

Transfer from General Fund									0
Bonds					168,470		1,040,865		1,209,335
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges							2,455,315		2,455,315

**PROJECTED OPERATING IMPACTS**

	0	0	0	0	0	0
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# Freedom District Hydrant Replacement

Freedom Water

6359

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides on-going funding to replace the County's 600 hydrants. Some of these hydrants have surpassed the estimated useful life of thirty years. The annual allocation for this project funds approximately twenty-five hydrants. The following list identifies the sites planned for FY 08.

- |                              |                                    |
|------------------------------|------------------------------------|
| 1 hydrant - Hemlock Dr.      | 1 hydrant - Melville Rd.           |
| 1 hydrant - Bonnie Brae Rd.  | 1 hydrant - Lake View Ave.         |
| 2 hydrants - Heather Heights | 1 hydrant - Oakland Mills Rd.      |
| 1 hydrant - Nickoles Dr.     | 2 hydrants - Carroll Dale Rd.      |
| 1 hydrant - Old Liberty Rd.  | 1 hydrant - Oak View Dr.           |
| 2 hydrants - Sykesville Rd.  | 3 hydrants - Westchester Hills Ct. |
| 1 hydrant - Bevard Rd.       | 1 hydrant - Sunset Dr.             |
| 3 hydrants - Circle Dr.      |                                    |
| 1 hydrant - Grand View Ave.  |                                    |
| 1 hydrant - Waite Ave.       |                                    |
| 1 hydrant - Carroll Rd.      |                                    |

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
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Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings	97,500	102,380	107,500	112,880	118,520	124,450			663,230
Other									0

**EXPENDITURES**

<b>TOTAL</b>	<b>97,500</b>	<b>102,380</b>	<b>107,500</b>	<b>112,880</b>	<b>118,520</b>	<b>124,450</b>	<b>0</b>	<b>0</b>	<b>663,230</b>
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**SOURCES OF FUNDS**

Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities		77,570	107,500	112,880	118,520	124,450			540,920
Maintenance Fee	97,500	24,810							122,310
Area Connection Charges									0

<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0
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# Freedom District Hydraulic Looping-Brangles

Freedom Water

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to connect water mains along Brangles Road in the Freedom area to provide adequate looping in the Freedom water system. Looping mains is to connect dead ends in two water lines. By connecting these lines water flows more evenly throughout the system and maintains a constant water pressure.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction				176,105					176,105
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>176,105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>176,105</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges				176,105					176,105
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,190</b>	<b>3,350</b>			

# Freedom District Hydraulic Looping-Sandosky Road

Freedom Water

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to connect water mains along Sandosky Road in the Freedom area to provide adequate looping in the Freedom water system. Looping mains is to connect dead ends in two water lines. By connecting these lines water flows more evenly throughout the system and maintains a constant water pressure.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	3,000								3,000
Land Acquisition									0
Site Work									0
Construction	130,500								130,500
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>133,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,500</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges	133,500								133,500
<b>PROJECTED OPERATING IMPACTS</b>	0	900	930	950	980	1,010			

# Freedom District Looping-Monroe (Oklahoma to Bennett)

Freedom Water

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to connect water mains along Monroe Avenue (Oklahoma to Bennett) in the Freedom area to provide adequate looping in the Freedom water system. Looping mains is to connect dead ends in two water lines. By connecting these lines water flows more evenly throughout the system and maintains a constant water pressure. New development will partially cover the cost of this project.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	12,500	1,750							14,250
Land Acquisition									0
Site Work									0
Construction		47,500							47,500
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>12,500</b>	<b>49,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61,750</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges	12,500	49,250							61,750
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>520</b>	<b>530</b>	<b>550</b>			

# Freedom District-Future Hydraulic Looping

Freedom Water

6358

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides on-going funding to connect water mains along various County roads in the Freedom area to provide adequate looping in the Freedom water system. Looping mains is to connect dead ends in two water lines. By connecting these lines water flows more evenly throughout the system and maintains a constant water pressure.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction							904,900	2,381,645	3,286,545
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>904,900</b>	<b>2,381,645</b>	<b>3,286,545</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges							904,900	2,381,645	3,286,545
<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>

# Freedom District-Relief Sewer No. 2

Freedom Sewer

6374

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding to add a relief sewer by increasing the existing ten inch main to a fifteen inch main for 5,447 feet from Johnsville Road at Bartholow Road, south through Parrish Park at Piney Ridge Parkway. Enlarging the main would allow for increased flows resulting from future development and/or major storm events.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			110,700	32,000					142,700
Land Acquisition									0
Site Work									0
Construction				720,000					720,000
Equipment/Furnishings									0
Other				72,000					72,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>110,700</b>	<b>824,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>934,700</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Local Income Tax									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee			110,700	73,468					184,168
Area Connection Charges				750,532					750,532
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000</b>	<b>6,180</b>			

# Freedom Wastewater Treatment Plant Expansion

Freedom Sewer

6386

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding to upgrade the Freedom Wastewater Treatment Plant. The plant is currently designed to treat an average daily flow of 3.5 MGD and will need to be increased to meet the Department of Planning's projection of average wastewater flows in the Freedom District of 4.2 MGD. The Maryland Environmental Service (MES) operates and manages this facility for the County. MES is currently designing upgrades to the plant that will address the MD Department of the Environment requirements for enhanced nutrient removal. The current daily flows average 2.1 MGD.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					150,000				150,000
Land Acquisition									0
Site Work									0
Construction								788,440	788,440
Equipment/Furnishings								663,560	663,560
Other									0

**EXPENDITURES**

<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>1,452,000</b>	<b>1,602,000</b>
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**SOURCES OF FUNDS**

Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee					75,000			788,436	863,436
Area Connection Charges					75,000			663,564	738,564

<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>
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# Freedom Water Treatment Plant Upgrade and Expansion

Freedom Water

6347

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides additional funding to design and construct a 4.0 million gallon per day plant adjacent to the current Freedom Water Treatment Plant (FWTP). The City of Baltimore owns Liberty Reservoir from which the plant draws its water. The new treatment plant includes: a utilities control center, new raw water intake line, membrane filtration system, improved disinfection methods, a new clarifier for water processing, clear well storage, and the addition of a twenty inch parallel water main on Oklahoma Road and Mineral Hill Road to handle the expanded flow and distribution of the additional water capacity.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							811,866		811,866
Land Acquisition									0
Site Work									0
Construction	3,299,201						20,873,631		24,172,832
Equipment/Furnishings									0
Other							2,366,200		2,366,200

**EXPENDITURES**

<b>TOTAL</b>	<b>3,299,201</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,051,697</b>	<b>0</b>	<b>27,350,898</b>
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**SOURCES OF FUNDS**

Transfer from General Fund									0
Bonds							16,796,644		16,796,644
Enterprise Fund - Utilities							128,750		128,750
Maintenance Fee	1,315,421						4,063,979		5,379,400
Area Connection Charges	1,983,780						3,062,324		5,046,104

**PROJECTED OPERATING IMPACTS**

	0	0	0	0	0	0
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# Freedom/Hampstead - Water Meters

Larry Brown, Senior Budget Analyst (410) 386-2082

6311

This on-going project provides funding for the enhancement and replacement of approximately 9,000 existing meters on an average sixteen year life cycle. The enhancements will include software and hardware equipment that will enable staff to collect meter readings while driving by homes. The following priority list addresses the oldest meters first.

- 1st group is Route #55, with 340 meters (Hilltop, Melstone Valley, Flanders, Carpenters Mount subdivisions)
- 2nd group is Route #15, with 302 meters (Clipper Hill, Brimfield subdivisions)
- 3rd group is Route #20, with 170 meters (Oakland Mills Area)
- 4th group is Route #21, with 128 meters (Oakland Road Area)
- 5th group is Route #22, with 160 meters (Mineral Hill Road Area)

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings	71,300	74,870	78,610	82,540	86,670	91,000			484,990
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>71,300</b>	<b>74,870</b>	<b>78,610</b>	<b>82,540</b>	<b>86,670</b>	<b>91,000</b>	<b>0</b>	<b>0</b>	<b>484,990</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities					65,249	91,000			156,249
Maintenance Fee	71,300	74,870	78,610	82,540	21,421				328,741
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Gaither Road 8" Sewer Line

Freedom Sewer

6369

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding for approximately 2.25 miles of eight inch sewer line along Obrecht Road and down Gaither Road to the County line, to the existing pumping station. Approximately 275 parcels will be connected to this sewer line along Obrecht and Gaither Roads, and connecting side streets, including Gaither Manor Apartments.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		97,000		70,000					167,000
Land Acquisition		25,000							25,000
Site Work									0
Construction				1,042,600					1,042,600
Equipment/Furnishings									0
Other				104,300					104,300
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>122,000</b>	<b>0</b>	<b>1,216,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,338,900</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges		122,000		1,216,900					1,338,900
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,100</b>	<b>13,490</b>			

# Gaither Road 8" Water Main

Freedom Water

6365

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding for approximately 2.6 miles of eight inch water line to serve existing and planned development along Gaither Road and all side streets. This line would extend from Obrecht Road to the ends of Gaither Road and Patapsco Drive. Approximately 275 parcels will be connected to this water line, including Gaither Manor Apartments.

Projected operating impacts include: maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		261,200							261,200
Land Acquisition									0
Site Work									0
Construction				1,339,600					1,339,600
Equipment/Furnishings									0
Other				134,000					134,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>261,200</b>	<b>0</b>	<b>1,473,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,734,800</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges		261,200		1,473,600					1,734,800
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>	<b>15,450</b>			



# Hampstead Grit Removal System

Hampstead WWTP

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

The grit removal system will replace the failed system that was built in 1984. This system will keep grit out of the process stream with fewer solids at the end process, leading to less wear and tear on the process equipment in the plant.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	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					25,000				25,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds					280,000				280,000
Enterprise Fund - Utilities									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>			<b>0</b>

# Hampstead Office Renovations

Hampstead WWTP

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project includes renovations to the existing control building. Currently, the building is being utilized for a dual purpose, for administrative office space and the location of the process blowers. The building lacks modern conveniences, such as hot water for shower and kitchen facilities, proper heating and air conditioning. The close proximity of the process blowers to the offices creates an unsuitable environment for staff due to noise and heat from the blowers.

The blowers will be relocated as part of the upgrades to the Poly Aluminum Chloride Facility. Once the blowers are moved, the existing space will be renovated by installing a HVAC system and hot water system, creating appropriate administrative space and kitchen/conference area, and upgrading the restroom. The plant alarm system will be upgraded, as well as the roofing system.

Projected operating impacts include: reduced maintenance and utility costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	100,000								100,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities	100,000								100,000
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>

# Hampstead Sludge Dewatering Facility Replacement

Hampstead WWTP

6404

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding for Phase II replacement of the Sludge Dewatering Facility at Hampstead WWTP. Phase I, the design and replacement of the existing press, is funded and underway. Phase II consists of creating an additional sludge storage area and complete re-evaluation of the existing facility.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			150,000				90,000		240,000
Land Acquisition									0
Site Work									0
Construction				220,000					220,000
Equipment/Furnishings				140,000			300,000		440,000
Other				36,000			90,000		126,000

## EXPENDITURES

<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>396,000</b>	<b>0</b>	<b>0</b>	<b>480,000</b>	<b>0</b>	<b>1,026,000</b>
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## SOURCES OF FUNDS

Transfer from General Fund									0
Bonds			150,000	396,000			480,000		1,026,000
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges									0

## PROJECTED OPERATING IMPACTS

	0	0	0	0	0	0
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# Hampstead Ultraviolet Disinfections System Renovation

Hampstead WWTP

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to provide new equipment and new variable power dual bank UV system technology at the HWWTP. The existing system built in 1992 is still operational but nearing the end of its life cycle. The system is designed and operated in compliance with the Draft Maryland Department of the Environment (MDE) Discharge Permit for disinfections requirements.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	10,000								10,000
Equipment/Furnishings	253,000								253,000
Other	26,000								26,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>289,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds	289,000								289,000
Enterprise Fund - Utilities									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>			<b>0</b>

# Hampstead Waste Activated Sludge Tank Renovation

Hampstead WWTP

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding to renovate tank components for sludge storage and thickening units last upgraded in 1984. The existing concrete tank structures are suitable for continued service but the majority of the tank sludge piping and valves require replacement.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	158,200								158,200
Land Acquisition									0
Site Work									0
Construction		609,000							609,000
Equipment/Furnishings									0
Other		61,000							61,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>158,200</b>	<b>670,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>828,200</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds	158,200	670,000							828,200
Enterprise Fund - Utilities									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>			<b>0</b>

# Meter Vault Replacement

Freedom Water

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding for the replacment of approximately 900 water meter vaults in the Freedom area that were installed in the late 1970s. The new vaults are made of PVC and will replace the old vaults made of bituminous coated cardboard, which are deteriorating.

Replacement areas:

- Piney Ridge Village Sections 1 and 2
- Oklahoma Estates
- Hilltop Estates
- Clipper Hill Estates
- Carrolltowne Estates
- Westchester Estates
- Carroll Dale
- Lexington Run Estates
- Berkley Estates
- Hodges Road, Norris Ave.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
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Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	20,000	21,000	22,050	23,150	24,310	25,530		200,000	336,040
Equipment/Furnishings									0
Other									0

**EXPENDITURES**

<b>TOTAL</b>	<b>20,000</b>	<b>21,000</b>	<b>22,050</b>	<b>23,150</b>	<b>24,310</b>	<b>25,530</b>	<b>0</b>	<b>200,000</b>	<b>336,040</b>
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**SOURCES OF FUNDS**

Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities	20,000	21,000	22,050	23,150	24,310	25,530		200,000	336,040
Maintenance Fee									0
Area Connection Charges									0

<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0
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# Pine Hill Wastewater Pumping Station Renovation

Freedom Sewer

6370

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to renovate the Pine Hill Pumping Station. The existing station is being evaluated for needed upgrades. The pumping station will be reconfigured from an underground to an above ground facility. The existing structure will be replaced as well as the generator, and the outdated controls will be upgraded. Engineering design of the renovations is underway.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	100,000						75,700		175,700
Land Acquisition							47,500		47,500
Site Work									0
Construction	610,000								610,000
Equipment/Furnishings									0
Other	61,000								61,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>771,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>123,200</b>	<b>0</b>	<b>894,200</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities									0
Maintenance Fee	422,455						61,600		484,055
Area Connection Charges	348,545						61,600		410,145
<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>

# Piney Branch Interceptor-Upgrade/Repair Sewer Main

Freedom Sewer

Proj #

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides planned funding for the upgrade and repair of the sewer main serving Sykesville.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design						75,000			75,000
Land Acquisition									0
Site Work									0
Construction								459,000	459,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>459,000</b>	<b>534,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds						75,000		459,000	534,000
Enterprise Fund - Utilities									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>			<b>0</b>

# Replace Force & Gravity Sewer Mains at North Station

## Hampstead Sewer

6398

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding for a replacement force main (built in 1970) and construction of a new gravity main to meet existing demand and allow for future development near the North Station facility located near the intersection of Maryland Routes 30 and 482. This project replaces the existing six inch force main installed in 1969 with a new eight inch force main. The new gravity main will be designed to meet the existing main near Panther Drive.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		111,000		25,000					136,000
Land Acquisition			26,900						26,900
Site Work									0
Construction				467,975			147,025		615,000
Equipment/Furnishings									0
Other				62,000					62,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>111,000</b>	<b>26,900</b>	<b>554,975</b>	<b>0</b>	<b>0</b>	<b>147,025</b>	<b>0</b>	<b>839,900</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds		55,500	13,450	351,000					419,950
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges		55,500	13,450	203,975			147,025		419,950
<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>

# Sanitary Sewer Manhole Rehabilitation

Freedom/Hampstead Sewer

6403

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding to rehabilitate Freedom Area's 3,000 sanitary sewer manholes and Hampstead's 1,000 sanitary sewer manholes. Through the comprehensive sewer study program and the maintenance program approximately ten per cent of the systems' manholes were inspected in the past year. Some were found to be in need of some repair. The annual funding for this project will allow approximately twenty-five manholes to get foam injection rehabilitation, and approximately fifteen manholes to get structure rehabilitation.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	150,000	150,000	150,000	150,000	150,000	150,000			900,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>900,000</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds									0
Enterprise Fund - Utilities	150,000	150,000	150,000	150,000	150,000	150,000			900,000
Maintenance Fee									0
Area Connection Charges									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0



# Shiloh Wastewater Pumping Station Renovation

Hampstead Sewer

6389

Larry Brown, Senior Budget Analyst (410) 386-2082

This project provides funding for the upgrade of Shiloh WWPS. It was originally funded in FY 04 for adding an additional pump. Since then, additional problems have surfaced that require increasing the scope of work and funding for the project. The pumping station was designed in 1974 and placed on-line in 1979. Some of the items in need of upgrading/replacing at the existing station are: installing a third pump, upgrading existing pumps and valving, updating pump and electrical controls, adding variable frequency drives, emergency bypass pumping on force main, new hot water heater, adding/replacing the wet well auger for debris removal, level sensing controls, air diffuser, lighting, ventilation, railing and grating, upgrading/replacing heat and ventilation systems, waterproofing of foundation walls, replacing existing fencing and gate, installing a pump removal system, replacing well pump system, and evaluating the existing force main. A portion of the main will be relocated during the construction of MD Rte. 30 Hampstead Bypass project.

Projected operating impacts include: reduced maintenance costs.

	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	100,000						116,000		216,000
Land Acquisition									0
Site Work									0
Construction	1,082,000						100,000		1,182,000
Equipment/Furnishings									0
Other	118,000								118,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>1,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216,000</b>	<b>0</b>	<b>1,516,000</b>

<b>SOURCES OF FUNDS</b>									
Transfer from General Fund									0
Bonds	907,720						108,000		1,015,720
Enterprise Fund - Utilities									0
Maintenance Fee									0
Area Connection Charges	392,280						108,000		500,280

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



