

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2019 TO 2024

	2019	2020	2021	2022	2023	2024	Prior Allocation	Balance To Complete	Total Project Cost
UTILITIES ENTERPRISE FUND:									
Automatic Water Flushers	\$38,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,000
Billing Software	0	0	0	0	28,000	0	0	0	28,000
Clear Water Basin Rehabilitation	145,000	0	0	0	0	0	0	0	145,000
Edgewood Pump Station Driveway Paving	34,000	0	0	0	0	0	0	0	34,000
Fairhaven Well House Rehabilitation	0	0	0	0	0	125,000	0	0	125,000
Freedom Area Test Stations	23,000	25,000	0	0	0	0	0	0	48,000
Freedom Sewer Rehabilitation	0	175,000	181,000	190,000	204,000	210,000	0	0	960,000
Freedom Wells and Connections	765,000	97,000	367,000	250,000	836,000	500,000	217,000	1,988,000	5,020,000
Freedom Water Treatment Plant Intake Removal	45,000	0	0	0	0	0	0	0	45,000
Freedom WTP Membrane Replacement	174,000	174,000	174,000	174,000	174,000	174,000	0	0	1,044,000
Hampstead Sewer Rehabilitation	0	55,000	264,000	280,000	290,000	310,000	0	0	1,199,000
Hydrant Replacements	160,000	99,000	0	0	0	0	124,000	0	383,000
North Pump Station Upgrade	0	176,000	0	0	0	0	2,260,000	0	2,436,000
Patapsco Valley Pump Station Upgrade	0	0	0	0	0	305,000	0	2,210,000	2,515,000
Pleasant Valley WWTP Rehabilitation	0	0	0	0	0	387,000	0	0	387,000
Raincliffe Rehabilitation	231,000	0	0	0	0	0	0	0	231,000
Runnymede Wastewater Treatment Facility Rehabilitation	0	0	0	0	297,000	0	0	0	297,000
Sewer Grinder Installation/Rehabilitation	60,500	60,500	60,500	0	0	0	0	0	181,500
Sewer Manhole Rehabilitation	0	80,000	83,000	87,000	91,000	96,000	0	0	437,000
Sewer Pipe Repair, Replacement, and New Installations	0	110,000	116,000	121,000	128,000	134,000	0	0	609,000
Shiloh Pumping Station Expansion	0	0	0	0	220,000	1,455,000	0	0	1,675,000
Small Water/Sewer System Maintenance	28,000	17,000	17,000	11,000	12,000	12,000	0	0	97,000
South Carroll Wastewater Treatment Facility Rehabilitation	0	0	0	66,000	297,000	0	0	0	363,000
Specifications and Design Manual Update	68,000	0	0	0	0	0	82,500	0	150,500
Standby Generator Replacement	0	147,000	144,000	37,000	66,000	66,000	0	0	460,000
Stream Bank Stabilization	99,000	0	0	0	0	0	0	0	99,000
Sykesville Pump Station Expansion	0	0	0	0	290,000	2,106,000	0	0	2,396,000
Tank Rehabilitations and Replacements	640,000	640,000	640,000	640,000	640,000	640,000	0	0	3,840,000
Town of Sykesville Streetscape Water and Sewer Upgrades	303,000	726,000	726,000	0	0	0	550,000	0	2,305,000
Town of Sykesville Water and Sewer Upgrades	0	0	605,000	1,457,500	1,457,500	0	0	0	3,520,000
Warfield Complex Water/Sewer Rehabilitation	335,500	0	0	0	0	0	0	0	335,500
Water Main Loops	0	100,000	105,000	110,500	116,000	122,000	352,000	0	905,500
Water Main Valve Replacements	259,500	272,300	284,400	300,200	316,500	322,900	0	0	1,755,800
Water Meters	621,500	652,900	685,300	176,000	181,300	186,800	0	0	2,503,800
Water Service Line Replacement	268,400	281,800	295,900	310,800	326,700	342,600	0	0	1,826,200
Water/Sewer Studies	324,500	280,500	0	0	0	0	968,000	0	1,573,000
Winfield Pump Station Upgrade	0	0	0	181,500	0	0	0	0	181,500
UTILITIES ENTERPRISE FUND TOTAL	\$4,622,900	\$4,169,000	\$4,748,100	\$4,392,500	\$5,971,000	\$7,494,300	\$4,553,500	\$4,198,000	\$40,149,300

Automatic Water Flushers

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for automatic flushers which will purge the Freedom Water system at targeted problem areas.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	34,500								34,500
Equipment/Furnishings									0
Other	3,500								3,500
EXPENDITURES									
TOTAL	38,000	0	0	0	0	0	0	0	38,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Billing Software

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to upgrade the billing software used by Utilities and Accounting in conjunction with a larger IT upgrade.

Operating impacts include software maintenance agreements.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction					25,000				25,000
Equipment/Furnishings									0
Other					3,000				3,000
EXPENDITURES									
TOTAL	0	0	0	0	28,000	0	0	0	28,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	36,000			

Clear Water Basin Rehabilitation

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding to refurbish the deteriorating clear well at the Freedom Water Treatment Plant, located in Sykesville, and to install a water-recycling system at the plant. The clear well holds backwash water before it discharges into the reservoir.

Operating Impacts to be determined as the project develops.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	130,000								130,000
Equipment/Furnishings									0
Other	15,000								15,000
EXPENDITURES									
TOTAL	145,000	0	0	0	0	0	0	0	145,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Edgewood Pump Station Driveway Paving

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for asphalt overlay and repairs to the deteriorating driveway at Edgewood Pump Station, located on Sussex Court in Sykesville.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	31,000								31,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other	3,000								3,000
EXPENDITURES									
TOTAL	34,000	0	0	0	0	0	0	0	34,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Fairhaven Well House Rehabilitation

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to rehabilitate Fairhaven Well House, located in Sykesville. Included are chemical-feed pumps, surveillance cameras, pipes, electric/software upgrades, MDE compliant pit for test water, and property repairs.

Operating Impacts to be determined as the project develops.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction						125,000			125,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	0	0	0	125,000	0	0	125,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Freedom Area Test Stations

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for 12 water sample test stations to be installed throughout the Freedom area.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	20,900	22,000							42,900
Equipment/Furnishings									0
Other	2,100	3,000							5,100
EXPENDITURES									
TOTAL	23,000	25,000	0	0	0	0	0	0	48,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Freedom Sewer Rehabilitation

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6444

This project provides ongoing funding for the inspection and lining repairs of the sanitary sewer mains and laterals. Lining the pipe increases the life of the sewer mains by sealing joints and cracks, preventing inflow and infiltration from damaging the system.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction		160,000	165,000	172,000	185,000	190,000			872,000
Equipment/Furnishings									0
Other		15,000	16,000	18,000	19,000	20,000			88,000
EXPENDITURES									
TOTAL	0	175,000	181,000	190,000	204,000	210,000	0	0	960,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Freedom Wells and Connections

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6445

This project provides funding to add several wells and pull surface water from Piney Run Reservoir to provide additional water to the Freedom service area. Providing more sources of water reduces dependency on Liberty Reservoir.

Operating impacts to be determined as the project develops.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		55,000		150,000		330,000	140,000		675,000
Land Acquisition		33,000		79,000		134,000	77,000		323,000
Site Work									0
Construction	695,000		333,000		760,000			1,988,000	3,776,000
Equipment/Furnishings									0
Other	70,000	9,000	34,000	21,000	76,000	36,000			246,000
EXPENDITURES									
TOTAL	765,000	97,000	367,000	250,000	836,000	500,000	217,000	1,988,000	5,020,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Freedom Water Treatment Plant Intake Removal

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding to remove an abandoned pipe at the old intake location, located in Liberty Reservoir, and replace the buoys at the current intake location.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	40,000								40,000
Equipment/Furnishings									0
Other	5,000								5,000
EXPENDITURES									
TOTAL	45,000	0	0	0	0	0	0	0	45,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Freedom WTP Membrane Replacement

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6434

This project provides ongoing funding to replace the membrane filters at the Freedom Water Treatment Plant (WTP), which were replaced in FY 16. Funding is being accumulated for future replacement of the filters.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings	158,000	158,000	158,000	158,000	158,000	158,000			948,000
Other	16,000	16,000	16,000	16,000	16,000	16,000			96,000
EXPENDITURES									
TOTAL	174,000	174,000	174,000	174,000	174,000	174,000	0	0	1,044,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Hampstead Sewer Rehabilitation

District Location: 2

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6446

This project provides ongoing funding for the inspection and lining repairs of the sanitary sewer mains and laterals, including clearing of off-road easements. Lining the pipe increases the life of the sewer mains by sealing joints and cracks, preventing inflow and infiltration from damaging the system.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction		50,000	240,000	255,000	265,000	280,000			1,090,000
Equipment/Furnishings									0
Other		5,000	24,000	25,000	25,000	30,000			109,000
EXPENDITURES									
TOTAL	0	55,000	264,000	280,000	290,000	310,000	0	0	1,199,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Hydrant Replacements

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6359

This project provides funding to replace hydrants in Bark Hill, Pleasant Valley, and Freedom area water systems. This funding covers replacement of the remaining 40 of the 900 hydrants in these areas.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	145,000	90,000							235,000
Equipment/Furnishings							124,000		124,000
Other	15,000	9,000							24,000
EXPENDITURES									
TOTAL	160,000	99,000	0	0	0	0	124,000	0	383,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

North Pump Station Upgrade

District Location: 2

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6418

This project provides planned funding to expand capacity for anticipated future flows at the North Pump Station, located on Route 30 in Hampstead.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		160,000					295,000		455,000
Land Acquisition									0
Site Work									0
Construction							1,874,000		1,874,000
Equipment/Furnishings									0
Other		16,000					91,000		107,000
EXPENDITURES									
TOTAL	0	176,000	0	0	0	0	2,260,000	0	2,436,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Patapsco Valley Pump Station Upgrade

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to rehabilitate and expand the Patapsco Valley Pump Station, located in on Swallow Road Sykesville, to prepare for anticipated additional flows. Included are new pumps, controls, grinder, generator, new wet well relocation, roofing, bypass valving, fencing, and paving repairs.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design						305,000			305,000
Land Acquisition									0
Site Work									0
Construction								2,010,000	2,010,000
Equipment/Furnishings									0
Other								200,000	200,000
EXPENDITURES									
TOTAL	0	0	0	0	0	305,000	0	2,210,000	2,515,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Pleasant Valley WWTP Rehabilitation

District Location: 1

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding for the rehabilitation of the Pleasant Valley Wastewater Treatment Plant (WWTP), which was put in service in 1997. The scope includes replacement of pumps, blowers, generator, UV equipment, electric/control upgrades, painting of the sequence batch reactor tanks, and other site improvements.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction						351,700			351,700
Equipment/Furnishings									0
Other						35,300			35,300
EXPENDITURES									
TOTAL	0	0	0	0	0	387,000	0	0	387,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Raincliffe Rehabilitation

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding to rehabilitate the Raincliffe water treatment plant, located on Willow Bottom Road in Sykesville. Included are upgrades of current equipment, software, and controls, and an additional standby generator with an automatic transfer switch. This project will also expand the capacity of the plant, and add new treatment processes for the two additional wells that will be connected through the Freedom Wells capital project.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	210,000								210,000
Equipment/Furnishings									0
Other	21,000								21,000
EXPENDITURES									
TOTAL	231,000	0	0	0	0	0	0	0	231,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Runnymede Wastewater Treatment Facility Rehabilitation

District Location: 1

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding for the rehabilitation of the Runnymede sequential batch reactor (SBR) Wastewater Treatment Facility, which was put in service in 1994 and serves Runnymede Elementary School. The scope includes replacement of pumps, UV replacement blowers, generator, transfer switch, as well as electrical/control upgrades, painting of the sequence batch reactor tanks, and other site improvements.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction					270,000				270,000
Equipment/Furnishings									0
Other					27,000				27,000
EXPENDITURES									
TOTAL	0	0	0	0	297,000	0	0	0	297,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Sewer Grinder Installation/Rehabilitation

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for the installation of new grinders and the rehabilitation of existing grinders at pump stations throughout the Hampstead and Freedom sewer service areas.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	55,000	55,000	55,000						165,000
Equipment/Furnishings									0
Other	5,500	5,500	5,500						16,500
EXPENDITURES									
TOTAL	60,500	60,500	60,500	0	0	0	0	0	181,500
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Sewer Manhole Rehabilitation

District Location: 2 and 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6403

This project provides ongoing funding to rehabilitate the Freedom area's 3,000 and Hampstead's 1,000 sanitary sewer manholes. Repair strategies include: foam injection rehabilitation, spray-on lining structure rehabilitation, addition of manhole risers to raise the top of structures, and replacement of existing manhole covers with sealed structures. New manhole installations are also included with this project.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction		73,000	75,000	79,000	83,000	87,000			397,000
Equipment/Furnishings									0
Other		7,000	8,000	8,000	8,000	9,000			40,000
EXPENDITURES									
TOTAL	0	80,000	83,000	87,000	91,000	96,000	0	0	437,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Sewer Pipe Repair, Replacement, and New Installations

District Location: 2 and 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides ongoing funding for various sewer repairs including point repairs, remove/replace, pipe bursting, underground directional drilling, and new pipe installations for existing residents with failing sewer systems. Included is clearing of off-road easements to maintain sewer pipes.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction		100,000	105,000	110,000	116,000	122,000			553,000
Equipment/Furnishings									0
Other		10,000	11,000	11,000	12,000	12,000			56,000
EXPENDITURES									
TOTAL	0	110,000	116,000	121,000	128,000	134,000	0	0	609,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Shiloh Pumping Station Expansion

District Location: 2

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to expand capacity for anticipated future flows at the Shiloh Pump Station, located on Shiloh Road in Hampstead.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					220,000				220,000
Land Acquisition									0
Site Work									0
Construction						1,455,000			1,455,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	0	0	220,000	1,455,000	0	0	1,675,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Small Water/Sewer System Maintenance

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides ongoing funding to address repairs that arise with Water and Sewer infrastructures in the Bark Hill and Pleasant Valley service areas.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	25,000	15,000	15,000	10,000	11,000	11,000			87,000
Equipment/Furnishings									0
Other	3,000	2,000	2,000	1,000	1,000	1,000			10,000
EXPENDITURES									
TOTAL	28,000	17,000	17,000	11,000	12,000	12,000	0	0	97,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

South Carroll Wastewater Treatment Facility Rehabilitation

District Location: 4

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding for the rehabilitation of the South Carroll Wastewater Treatment Facility, which was put into service in 1992 and serves South Carroll High School. The scope includes replacement of pumps, blowers, and a generator, as well as electrical and control upgrades, and other site improvements.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design				60,000					60,000
Land Acquisition									0
Site Work									0
Construction					270,000				270,000
Equipment/Furnishings									0
Other				6,000	27,000				33,000
EXPENDITURES									
TOTAL	0	0	0	66,000	297,000	0	0	0	363,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Specifications and Design Manual Update

District Location: 1 and 3

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6449

This project provides funding to revise the County Sewer and Water Standards and Specifications to current industry standards. A complete vision has not been performed since 1992.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	61,500						82,500		144,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other	6,500								6,500
EXPENDITURES									
TOTAL	68,000	0	0	0	0	0	82,500	0	150,500
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Standby Generator Replacement

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6035

This project provides planned funding for replacement of the standby generator fleet. Currently, there are a total of 24 standby generators at the wastewater pumping stations and wastewater treatment plant and a total of four at the water treatment facilities and water tanks. The standby generators are critical to providing water and sewer service should a power failure occur.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings		133,000	130,000	33,000	60,000	60,000			416,000
Other		14,000	14,000	4,000	6,000	6,000			44,000
EXPENDITURES									
TOTAL	0	147,000	144,000	37,000	66,000	66,000	0	0	460,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Stream Bank Stabilization

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for the restoration of stream banks at the Pine Hill and Stone Manor pump stations, located in Sykesville.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	90,000								90,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other	9,000								9,000
EXPENDITURES									
TOTAL	99,000	0	0	0	0	0	0	0	99,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Sykesville Pump Station Expansion

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to expand capacity for anticipated future flows at the Sykesville Pump Station, located on Main Street in Sykesville.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					290,000				290,000
Land Acquisition									0
Site Work									0
Construction						1,914,500			1,914,500
Equipment/Furnishings									0
Other						191,500			191,500
EXPENDITURES									
TOTAL	0	0	0	0	290,000	2,106,000	0	0	2,396,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Tank Rehabilitations and Replacements

Stephanie R. Krome, Management and Budget Analyst (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. It also provides for tank inspections every three years. Listed below are planned sites:

- Kabik
- Martz
- Liberty
- Bartholow
- Linton
- Pleasant Valley

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work	580,000	580,000	580,000	580,000	580,000	580,000			3,480,000
Construction									0
Equipment/Furnishings									0
Other	60,000	60,000	60,000	60,000	60,000	60,000			360,000
EXPENDITURES									
TOTAL	640,000	640,000	640,000	640,000	640,000	640,000	0	0	3,840,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Town of Sykesville Streetscape Water and Sewer Upgrades

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6431

This project provides funding to line the existing clay water and sewer lines along Main Street. Included is the possibility of removing, replacing, and relocating lines to coincide with the Town of Sykesville Streetscape Project.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							550,000		550,000
Land Acquisition									0
Site Work									0
Construction	275,000	660,000	660,000						1,595,000
Equipment/Furnishings									0
Other	28,000	66,000	66,000						160,000
EXPENDITURES									
TOTAL	303,000	726,000	726,000	0	0	0	550,000	0	2,305,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Town of Sykesville Water and Sewer Upgrades

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides planned funding to line clay pipes that are between 50 and 90 years old in the Town of Sykesville. Main Street will be addressed through the Town of Sykesville Streetscape Water and Sewer Upgrades capital project.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction			550,000	1,325,000	1,325,000				3,200,000
Equipment/Furnishings									0
Other			55,000	132,500	132,500				320,000
EXPENDITURES									
TOTAL	0	0	605,000	1,457,500	1,457,500	0	0	0	3,520,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Warfield Complex Water/Sewer Rehabilitation

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

Proj #

This project provides funding for the rehabilitation of the existing water and sewer lines at the Warfield Complex in Sykesville.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	305,000								305,000
Equipment/Furnishings									0
Other	30,500								30,500
EXPENDITURES									
TOTAL	335,500	0	0	0	0	0	0	0	335,500
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Water Main Loops

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6425

This project provides ongoing funding to connect various water mains 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 and helps maintain and improve water quality. Listed below are planned sites:

- 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 Woodbridge 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 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction		100,000	105,000	110,500	116,000	122,000	352,000		905,500
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	100,000	105,000	110,500	116,000	122,000	352,000	0	905,500
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Water Main Valve Replacements

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6428

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

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	230,000	241,500	253,600	266,300	280,000	293,500			1,564,900
Equipment/Furnishings									0
Other	29,500	30,800	30,800	33,900	36,500	29,400			190,900
EXPENDITURES									
TOTAL	259,500	272,300	284,400	300,200	316,500	322,900	0	0	1,755,800
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Water Meters

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6311

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

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	565,000	593,500	623,000	160,000	164,800	169,800			2,276,100
Equipment/Furnishings									0
Other	56,500	59,400	62,300	16,000	16,500	17,000			227,700
EXPENDITURES									
TOTAL	621,500	652,900	685,300	176,000	181,300	186,800	0	0	2,503,800
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Water Service Line Replacement

District Location: 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6429

This project provides ongoing funding to replace water service lines in the Freedom area. Leaking water laterals lead to increased operational costs and loss of treated water. The annual allocation for this project funds the replacement of approximately 80-90 water service lines each year.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	244,000	256,200	269,000	282,500	297,000	311,400			1,660,100
Equipment/Furnishings									0
Other	24,400	25,600	26,900	28,300	29,700	31,200			166,100
EXPENDITURES									
TOTAL	268,400	281,800	295,900	310,800	326,700	342,600	0	0	1,826,200
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Water/Sewer Studies

District Location: 2 and 5

Stephanie R. Krome, Management and Budget Analyst (410) 386-2082

6385

This project provides funding for a study of the Freedom water treatment, storage, and distribution systems, and of the Freedom and Hampstead sewer collection systems. The studies performed will include asset conditions, expected life, and capacity assessment.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	295,000	255,000					968,000		1,518,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other	29,500	25,500							55,000
EXPENDITURES									
TOTAL	324,500	280,500	0	0	0	0	968,000	0	1,573,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Winfield Pump Station Upgrade

District Location: 4

Stephanie R. Krome, Management and Budget Analyst (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 for Winfield Elementary on West Old Liberty Road in Sykesville.

	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction				165,000					165,000
Equipment/Furnishings									0
Other				16,500					16,500
EXPENDITURES									
TOTAL	0	0	0	181,500	0	0	0	0	181,500
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0