

Wastewater

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Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Project Class: Wastewater									
S647500	Balto. County Sewer Agreement	\$17,316,646	\$16,316,646	\$0	\$0	\$0	\$0	\$500,000	\$500,000
S741300	Chg Against WW Clsd Projects	\$187,075	\$187,075	\$0	\$0	\$0	\$0	\$0	\$0
S769700	Mayo WRF Expans	\$48,632,184	\$44,479,184	\$4,153,000	\$0	\$0	\$0	\$0	\$0
S776700	Wastewater Strategic Plan	\$3,897,476	\$2,997,476	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
S777200	Central Sanitation Facility	\$3,600,489	\$2,069,489	\$491,000	\$1,040,000	\$0	\$0	\$0	\$0
S791800	Upgr/Retrofit SPS	\$79,459,891	\$36,259,891	\$7,200,000	\$7,200,000	\$7,200,000	\$7,200,000	\$7,200,000	\$7,200,000
S792700	Fac Abandonment WW2	\$1,149,929	\$1,149,929	\$0	\$0	\$0	\$0	\$0	\$0
S792900	Cayuga Farms PS & FM	\$11,372	\$151,372	(\$140,000)	\$0	\$0	\$0	\$0	\$0
S797800	Furnace Brn Swr Repl	\$154,000	\$154,000	\$0	\$0	\$0	\$0	\$0	\$0
S797900	Broadneck WRF Upgrd	\$11,987,131	\$5,086,131	\$0	\$6,901,000	\$0	\$0	\$0	\$0
S798100	Wastewater Scada Upg	\$4,219,078	\$4,169,078	\$50,000	\$0	\$0	\$0	\$0	\$0
S799200	Mayo Collection Sys Upgrade	\$11,722,829	\$7,222,829	\$2,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
S800600	Dewatering Facilities	\$47,401,000	\$46,433,000	\$968,000	\$0	\$0	\$0	\$0	\$0
S800700	Regional Sludge Facility	\$661,500	\$984,500	(\$323,000)	\$0	\$0	\$0	\$0	\$0
S802200	Cox Creek WRF ENR	\$131,205,964	\$131,205,964	\$0	\$0	\$0	\$0	\$0	\$0
S802300	WRF Infrastr Up/Retro	\$10,060,348	\$5,060,348	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
S802500	Grease/Grit Facility	\$7,604,000	\$7,522,000	\$82,000	\$0	\$0	\$0	\$0	\$0
S802800	Sewer Proj Mgmt	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
S802900	Annapolis WRF ENR	\$22,534,945	\$21,124,945	\$1,410,000	\$0	\$0	\$0	\$0	\$0
S803000	Maryland City WRF ENR	\$8,158,623	\$8,180,623	(\$22,000)	\$0	\$0	\$0	\$0	\$0
S803100	Broadneck WRF ENR	\$25,630,000	\$25,775,000	(\$145,000)	\$0	\$0	\$0	\$0	\$0
S803700	Broadwater WRF ENR	\$19,089,950	\$19,089,950	\$0	\$0	\$0	\$0	\$0	\$0
S803800	Sylvan Shores WW Collect Sys	\$3,212,000	\$3,592,000	(\$380,000)	\$0	\$0	\$0	\$0	\$0
S804100	Patuxent WRF ENR	\$13,130,000	\$13,130,000	\$0	\$0	\$0	\$0	\$0	\$0
S804300	Jennifer Road PS Upg	\$9,360,000	\$10,140,000	(\$780,000)	\$0	\$0	\$0	\$0	\$0
S804400	Balto City Sewer Agrmnt	\$5,235,000	\$5,735,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0
S804600	WW System Security	\$2,102,985	\$2,102,985	\$0	\$0	\$0	\$0	\$0	\$0

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
S804700	Mill Creek SPS Upg	\$11,365,000	\$11,377,000	(\$12,000)	\$0	\$0	\$0	\$0	\$0
S804900	Parole SPS Upgrade	\$491,702	\$491,702	\$0	\$0	\$0	\$0	\$0	\$0
S805200	Rivieria Beach SPS Mods	\$2,136,000	\$2,136,000	\$0	\$0	\$0	\$0	\$0	\$0
S805300	Cinder Cove SPS Mods	\$9,534,000	\$10,564,000	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0
S805400	Marley SPS Upgrade	\$217,689	\$270,689	(\$53,000)	\$0	\$0	\$0	\$0	\$0
S805900	Odenton Town Cntr Sewr	\$4,567,110	\$5,003,110	(\$436,000)	\$0	\$0	\$0	\$0	\$0
S806000	Chesapeake Bch WWTP	\$1,976,000	\$2,166,000	(\$190,000)	\$0	\$0	\$0	\$0	\$0
S806100	Cox Creek WRF Non-ENR	\$25,638,000	\$25,638,000	\$0	\$0	\$0	\$0	\$0	\$0
S806200	SPS Fac Gen Replace	\$52,559,000	\$29,309,000	\$3,875,000	\$3,875,000	\$3,875,000	\$3,875,000	\$3,875,000	\$3,875,000
S806500	Patuxent WRF Exp	\$62,624,000	\$63,704,000	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0
S806600	Maryland City WRF Exp	\$44,526,600	\$45,652,600	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0
S806700	Cinder Cove FM Rehab	\$12,499,000	\$12,499,000	\$0	\$0	\$0	\$0	\$0	\$0
S806900	Rolling Knolls ES Sewer Ext	\$3,134,700	\$3,757,700	(\$623,000)	\$0	\$0	\$0	\$0	\$0
S807000	Broadwater WRF Headworks	\$2,817,000	\$4,611,000	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0
S807200	Tanglewood Two Sewer	\$844,000	\$572,000	\$0	\$272,000	\$0	\$0	\$0	\$0
S807300	Annapolis WRF Upgrade	\$21,949,000	\$7,811,000	\$0	\$2,415,000	\$0	\$893,000	\$10,830,000	\$0
S807400	Broadneck Clarifier Rehab	\$4,525,000	\$425,000	\$0	\$4,100,000	\$0	\$0	\$0	\$0
S807500	Heritage Harbor Swr Takeover	\$2,248,000	\$353,000	\$1,895,000	\$0	\$0	\$0	\$0	\$0
S807600	Piney Orchard SPS & FM	\$17,521,000	\$3,004,000	\$7,021,000	\$7,496,000	\$0	\$0	\$0	\$0
S807700	Brock Bridge Road Sewer Repl	\$5,403,000	\$225,000	\$1,726,000	\$1,726,000	\$1,726,000	\$0	\$0	\$0
S807800	Forked Creek Sewer Repl	\$3,079,000	\$333,000	\$2,746,000	\$0	\$0	\$0	\$0	\$0
S807900	Crofton Sewer Pumping Station	\$6,167,000	\$477,000	\$0	\$5,690,000	\$0	\$0	\$0	\$0
S808000	Cox Creek Grit System Improv.	\$7,166,000	\$0	\$792,000	\$4,200,000	\$2,174,000	\$0	\$0	\$0
S808100	Cattail Creek FM Replacment	\$17,121,000	\$0	\$1,593,000	\$5,176,000	\$5,176,000	\$5,176,000	\$0	\$0
S808200	Grinder Pump Repl/Upgrd Prgm	\$3,000,000	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
S808300	Broadwater Ops Bldg Addition	\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0
S808400	MD City SPS Upgrade	\$4,069,000	\$0	\$448,000	\$3,621,000	\$0	\$0	\$0	\$0
S808500	Edgewater Beach Sewer Ext	\$16,762,000	\$0	\$1,409,000	\$15,353,000	\$0	\$0	\$0	\$0
X738800	Sewer Main Repl/Recon	\$105,818,246	\$49,418,246	\$9,400,000	\$9,400,000	\$9,400,000	\$9,400,000	\$9,400,000	\$9,400,000

Capital Budget and Program**Anne Arundel County, Maryland****Project Class Summary - Project Listing****Council Approved**

Project	Project Title	Total	Prior	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
X741200	WW Service Connections	\$11,976,338	\$2,716,338	\$1,260,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000
X749000	Agreements W/Developers	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0
X764200	WW Project Planning	\$12,718,275	\$3,615,275	\$2,434,000	\$2,667,000	\$2,667,000	\$445,000	\$445,000	\$445,000
X800000	State Hwy Reloc-Sewer	\$3,918,077	\$2,493,077	\$425,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Z533200	Routine Sewer Extensions	\$2,986,685	\$1,236,685	(\$250,000)	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Total Wastewater		\$975,765,473	\$715,177,473	\$44,829,000	\$85,482,000	\$36,568,000	\$31,339,000	\$36,600,000	\$25,770,000

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Funding Detail

Council Approved

Project	Project Title	Total	Prior	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Project Class Wastewater									
Bonds									
	Water Bonds	\$861,259	\$861,259	\$0	\$0	\$0	\$0	\$0	\$0
	WasteWater Bonds	\$703,895,283	\$514,384,283	\$21,840,000	\$72,888,000	\$26,278,000	\$23,271,000	\$28,032,000	\$17,202,000
	Bonds	\$704,756,543	\$515,245,543	\$21,840,000	\$72,888,000	\$26,278,000	\$23,271,000	\$28,032,000	\$17,202,000
PayGo									
	WasteWater PayGo	\$85,094,627	\$34,645,627	\$8,665,000	\$9,490,000	\$9,490,000	\$7,268,000	\$7,768,000	\$7,768,000
	Water PayGo	\$5,255,000	\$625,000	\$630,000	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000
	PayGo	\$90,349,627	\$35,270,627	\$9,295,000	\$10,290,000	\$10,290,000	\$8,068,000	\$8,568,000	\$8,568,000
Grants & Aid									
	Other State Grants	\$132,545,671	\$127,264,671	\$2,977,000	\$2,304,000	\$0	\$0	\$0	\$0
	Grants & Aid	\$132,545,671	\$127,264,671	\$2,977,000	\$2,304,000	\$0	\$0	\$0	\$0
Other									
	Developer Contribution	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0
	Miscellaneous	\$2,522,000	\$2,522,000	\$0	\$0	\$0	\$0	\$0	\$0
	Project Reimbursement	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
	Bond Premium	\$40,593,000	\$29,876,000	\$10,717,000	\$0	\$0	\$0	\$0	\$0
	User Connections	(\$3)	(\$3)	\$0	\$0	\$0	\$0	\$0	\$0
	Other	\$48,113,632	\$37,396,632	\$10,717,000	\$0	\$0	\$0	\$0	\$0
	Wastewater	\$975,765,473	\$715,177,473	\$44,829,000	\$85,482,000	\$36,568,000	\$31,339,000	\$36,600,000	\$25,770,000

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S647500 Balto. County Sewer Agreement

Class: Wastewater

FY2019

Council Approved

Description

Funds have been approved for construction of improvements to Baltimore City's Patapsco Wastewater Treatment Plant and connecting interceptors. Approved funding is Anne Arundel County's apportioned share of the costs, which will be contributed under agreement to Baltimore County, which in turn maintains a similar agreement with Baltimore City. Improvements include upgrading the Patapsco WWTP to 70 mgd and the expansion of the facilities to 87.5 mgd. The next expansion will allow Anne Arundel County a total allocation of 6.72 mgd. This will amount to an additional 1.02 mgd allocation over what we have already purchased. Budgeted monies are for the following Patapsco WWTP Projects: ENR Modifications, elevated water Tank Assesment, Denitrificatioon Filters, Grit Facility Modifications, Roof Replacement, Nitrification Filters, Arc Flash Improvements, Chlorination/Dechlorination Facility Improvements,Oxygen Plant Upgrade,Low Level Sewer Facility Improvements,Chlorination/Dechlorination Control Systems, Sludge process facilities, and development of a Comprehensive Biosolids Plan.

Location

Countywide

Benefit

Compliance with Agreement with Baltimore County.

Amendment History

Removed \$3,400,000 via AMD #40 to Bill 46-13. Removed \$800k via AMD #66 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$522,369	Plans and Engineering	\$522,369	\$522,369	\$0	\$0	\$0	\$0	\$0	\$0	
\$7,717,697	Construction	\$7,717,697	\$7,717,697	\$0	\$0	\$0	\$0	\$0	\$0	
\$305,763	Overhead	\$305,763	\$305,763	\$0	\$0	\$0	\$0	\$0	\$0	
\$7,770,818	Other	\$8,770,818	\$7,770,818	\$0	\$0	\$0	\$0	\$500	\$500	
\$16,316,646	Total	\$17,316,646	\$16,316,646	\$0	\$0	\$0	\$0	\$500	\$500	
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$500	\$500	Multi-Yr

S647500 Balto. County Sewer Agreement

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Continue processing of invoices as received from Baltimore County.
3. Action Required To Complete This Project: Complete County obligation to upgrades required at Patapsco WWTP as outlined in project description.

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: No Request for FY 19 based on available balance, Added Funding request to FY 23 & FY24
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1976 \$427,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$13,532,232	\$288,405	\$13,820,637
April 1, 2018	\$14,305,949	\$187,822	\$14,493,771

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$16,116,646	WasteWater Bonds	\$16,116,646	\$16,116,646	\$0	\$0	\$0	\$0	\$0	\$0	
\$200,000	WasteWater PayGo	\$1,200,000	\$200,000	\$0	\$0	\$0	\$0	\$500	\$500	
\$16,316,646	Total	\$17,316,646	\$16,316,646	\$0	\$0	\$0	\$0	\$500	\$500	
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$500	\$500	Multi-Yr

5741300 Chg Against WW Clsd Projects

Class: Wastewater

FY2019

Council Approved

Description

Funds are approved to allow for settlement of claims and items required in project performance phase on wastewater capital projects which have been closed out prior to the settlement of the claims.

Location

Available balances from completed projects will be the primary source of funding for this project.

Countywide

Benefit

This fund ensures that claims can be settled in the most expedient manner.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$187,075	Other	\$187,075	\$187,075	\$0	\$0	\$0	\$0	\$0	\$0	
\$187,075	Total	\$187,075	\$187,075	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S741300 Chg Against WW Clsd Projects

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1986 \$900,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$1,202	\$0	\$1,202

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$187,075	WasteWater Bonds	\$187,075	\$187,075	\$0	\$0	\$0	\$0	\$0	\$0	
\$187,075	Total	\$187,075	\$187,075	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S769700 Mayo WRF Expans

Class: Wastewater

FY2019

Council Approved

Description

This project is to design, acquire right of ways and construct a forcemain from the Mayo WRF site to the Annapolis WRF; construct upgrades to the Mayo Influent SPS and the Glebe Heights SPS; and a new forcemain from Glebe Heights SPS to the Mayo Influent SPS. When completed wastewater will be treated to ENR standards at the Annapolis WRF. The Mayo and Glebe Heights treatment processes will be abandoned and decommissioned.

Project scope is amended to allow rehabilitation of existing plant treatment components to continue reliable operation of plant until MDE permit issues are resolved and construction of new facility is complete.

Benefit

To upgrade the plant to increase operational efficiency and increase capacity to meet planned development demands.

Amendment History

CC switched funding sources via AMD #24 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$6,252,051	Plans and Engineering	\$5,258,473	\$5,000,473	\$258,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,214,000	Land	\$1,214,000	\$1,214,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$45,090,844	Construction	\$39,863,438	\$36,163,438	\$3,700,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,677,291	Overhead	\$2,296,273	\$2,101,273	\$195,000	\$0	\$0	\$0	\$0	\$0	\$0
\$55,234,187	Total	\$48,632,184	\$44,479,184	\$4,153,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$6,602,003)	(\$10,755,003)	\$4,153,000	\$0	\$0	\$0	\$0	\$0	\$0

S769700 Mayo WRF Expans

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction and Performance of Mayo-to-Annapolis force main contracts. Design of Decommissioning of Mayo and Glebe Heights
3. Action Required To Complete This Project: Construction and performance of Mayo-to-Annapolis force main and design, construction and performance of Mayo WRF decommissioning.

Change from Prior Year

1. Change In Name Or Description: Added to description of abandonment of Mayo and Glebe Heights to include decommissioning
2. Change In Total Project Cost: Increased based on current estimate for decommissioning of Mayo and Glebe Heights
3. Change In Scope: None.
4. Change In Timing: None.

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 1994 \$2,581,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$34,499,466	\$9,296,044	\$43,795,510
April 1, 2018	\$34,935,712	\$1,069,149	\$36,004,861

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$41,284,187	WasteWater Bonds	\$38,632,184	\$34,479,184	\$4,153,000	\$0	\$0	\$0	\$0	\$0	\$0
\$555,000	WasteWater PayGo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,000,000	Other State Grants	\$10,000,000	\$10,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,395,000	Bond Premium	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$55,234,187	Total	\$48,632,184	\$44,479,184	\$4,153,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$6,602,003)	(\$10,755,003)	\$4,153,000	\$0	\$0	\$0	\$0	\$0	\$0

S776700 Wastewater Strategic Plan

Class: Wastewater

FY2019

Council Approved

Description

This is to fund the development of Sewer Strategic Plans to achieve orderly programming and construction of sewerage facilities and to update the master plan.

Location

Countywide

Benefit

Orderly programming for construction of sewerage facilities and compliance with Federal and State requirements. Reliable planning documents.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,590,891	Plans and Engineering	\$3,733,891	\$2,875,891	\$143,000	\$143	\$143	\$143	\$143	\$143	
\$156,585	Overhead	\$163,585	\$121,585	\$7,000	\$7	\$7	\$7	\$7	\$7	
\$3,747,476	Total	\$3,897,476	\$2,997,476	\$150,000	\$150	\$150	\$150	\$150	\$150	
More (Less) Than Prior Year Program:		\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150	Multi-Yr

S776700 Wastewater Strategic Plan

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-year
3. Action Required To Complete This Project: Multi-year. On-Going studies to validate recommendations from Comprehensive Sewer Strategic Plan.

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Added FY24 funding
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1996 \$300,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$1,622,621	\$0	\$1,622,621
April 1, 2018	\$1,681,195	\$16,398	\$1,697,593

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,747,476	WasteWater PayGo	\$3,897,476	\$2,997,476	\$150,000	\$150	\$150	\$150	\$150	\$150	
\$3,747,476	Total	\$3,897,476	\$2,997,476	\$150,000	\$150	\$150	\$150	\$150	\$150	
More (Less) Than Prior Year Program:		\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150	Multi-Yr

S777200 Central Sanitation Facility

Class: Wastewater

FY2019

Council Approved

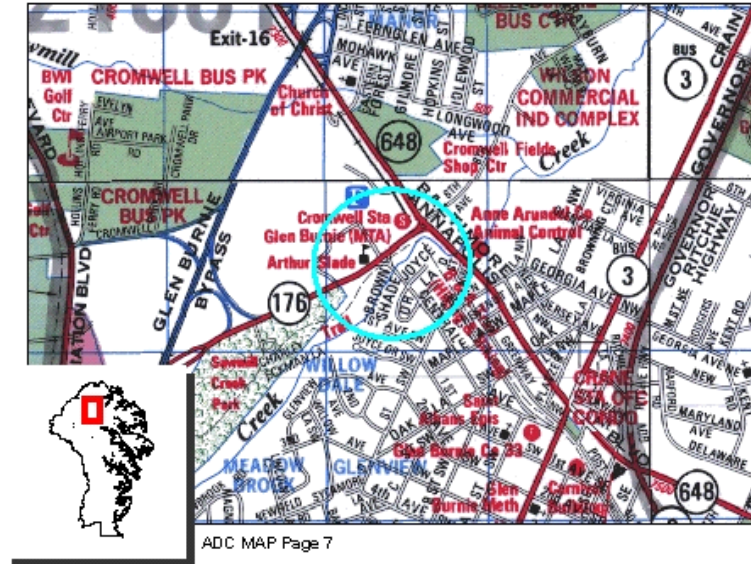
Description

This project is to relocate the Glen Burnie Complex to meet the existing and future needs of the Wastewater activities: administration, line maintenance, system evaluation & rehabilitation, and bureau fleet and small engine maintenance. The facility will be located adjacent to the existing Central Water Facility in the Millersville Complex in order to centralize Utility operations, and includes an outdoor storage facility.

Benefit

Efficiency of Operations.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$748,079)	Plans and Engineering	(\$886,137)	(\$886,137)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$500	Land	\$500	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,102,546	Construction	\$4,201,382	\$2,742,382	\$469,000	\$990	\$0	\$0	\$0	\$0	\$0
(\$62,127)	Overhead	(\$10,794)	(\$82,794)	\$22,000	\$50	\$0	\$0	\$0	\$0	\$0
\$182,288	Furn., Fixtures and Equip.	\$182,288	\$182,288	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$113,251	Other	\$113,251	\$113,251	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,588,378	Total	\$3,600,489	\$2,069,489	\$491,000	\$1,040	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,012,111	(\$518,889)	\$491,000	\$1,040	\$0	\$0	\$0	\$0	\$0

S777200 Central Sanitation Facility

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Complete Design of HVAC Mods.
3. Action Required To Complete This Project: Construction and Performance of HVAC Modifications and Outdoor Storage Facility

Change from Prior Year

1. Change In Name Or Description: Added outdoor storage facility
2. Change In Total Project Cost: Increased based on current estimate
3. Change In Scope: Added outdoor storage facility
4. Change In Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 1996 \$5,545,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2017	\$570,699	\$119,361	\$690,059
April 1, 2018	\$114,205	\$53,950	\$168,156

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,588,378	WasteWater Bonds	\$3,600,489	\$2,069,489	\$491,000	\$1,040	\$0	\$0	\$0	\$0	\$0
\$2,588,378	Total	\$3,600,489	\$2,069,489	\$491,000	\$1,040	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,012,111	(\$518,889)	\$491,000	\$1,040	\$0	\$0	\$0	\$0	\$0

\$791800 Upgr/Retrofit SPS

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for design and construction to upgrade existing sewage pumping stations to meet current control and operational standards.

Location

Countywide

Benefit

This project will better ensure the proper operation and maintenance of stations, avoid overflows and adverse environmental impacts (e.g., odor control) retrofits and replacements are under way to meet State laws.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Switched funding sources in FY15 via AMD #95 to Bill 23-14. County Council removed \$3,450,000 via AMD #176, added \$4,160,000 via AMD #196 and added \$2,265,000 via AMD #203 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,412,165	Plans and Engineering	\$2,276,299	(\$1,623,701)	\$650,000	\$650	\$650	\$650	\$650	\$650	
(\$17,676)	Land	(\$17,676)	(\$17,676)	\$0	\$0	\$0	\$0	\$0	\$0	
\$68,611,772	Construction	\$73,276,173	\$36,034,173	\$6,207,000	\$6,207	\$6,207	\$6,207	\$6,207	\$6,207	
\$3,769,526	Overhead	\$3,978,363	\$1,920,363	\$343,000	\$343	\$343	\$343	\$343	\$343	
(\$53,268)	Other	(\$53,268)	(\$53,268)	\$0	\$0	\$0	\$0	\$0	\$0	
\$74,722,519	Total	\$79,459,891	\$36,259,891	\$7,200,000	\$7,200	\$7,200	\$7,200	\$7,200	\$7,200	
More (Less) Than Prior Year Program:		\$4,737,372	(\$2,462,628)	\$0	\$0	\$0	\$0	\$0	\$7,200	Multi-Yr

S791800 Upgr/Retrofit SPS

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Multi-Year
2. Action Taken In Current Fiscal Year: Completed construction of pump, controls, valves, odor control, wetwell entry upgrades, etc. at multiple sewage pumping stations, continued design services for upcoming contracts.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Add FY24 Funding
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 1999 \$13,266,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$17,151,642	\$13,711,206	\$30,862,848
April 1, 2018	\$20,270,400	\$14,167,301	\$34,437,702

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$60,829,578	WasteWater Bonds	\$67,309,578	\$28,429,578	\$6,480,000	\$6,480	\$6,480	\$6,480	\$6,480	\$6,480	
\$10,642,941	WasteWater PayGo	\$8,900,313	\$4,580,313	\$720,000	\$720	\$720	\$720	\$720	\$720	
\$3,250,000	Bond Premium	\$3,250,000	\$3,250,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$74,722,519	Total	\$79,459,891	\$36,259,891	\$7,200,000	\$7,200	\$7,200	\$7,200	\$7,200	\$7,200	
More (Less) Than Prior Year Program:		\$4,737,372	(\$2,462,628)	\$0	\$0	\$0	\$0	\$0	\$7,200	Multi-Yr

S792700 Fac Abandonment WW2

Class: Wastewater

FY2019

Council Approved

Description

This project is authorized to dismantle, remove and dispose of unused/unwanted equipment from the abandoned incineration buildings at Cox Creek, Annapolis and Broadwater WRF's. It also includes demolition of primary clarifier, parshall flume, aerator basins and secondary clarifier at the Broadneck WRF.

Location

Project description amended in FY07 to include demolishing of the Broad Creek WWTP.

Project description amended in FY13 to include demolishing of New Cut SPS.

Project description amended in FY16 to include digesters at Broadneck WRF; Filters and Headworks at Patuxent WRF.

Project description amended in FY19 to include demolition of truck scale at Annapolis WRF

Countywide

Benefit

Disposal of surplus facilities and equipment.

Amendment History

County Council removed \$500,000 via amendment #41 to Bill 35-06. Prior approval has been adjusted to show the closing of jobs on this project. CC removed \$200k via AMD #25 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$89,779	Plans and Engineering	\$89,779	\$89,779	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$961,952	Construction	\$961,952	\$961,952	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$98,198	Overhead	\$98,198	\$98,198	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,149,929	Total	\$1,149,929	\$1,149,929	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S792700 Fac Abandonment WW2

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Muti-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None
3. Change In Scope: Added demolition of truck scale at Annapolis WRF
4. Change In Timing: Multi-Year

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1999 \$1,196,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$103,667	\$4,717	\$108,384
April 1, 2018	\$117,594	\$86,296	\$203,890

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,149,929	WasteWater PayGo	\$1,149,929	\$1,149,929	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,149,929	Total	\$1,149,929	\$1,149,929	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S792900 Cayuga Farms PS & FM

Class: Wastewater

FY2019

Council Approved

Description

This project consists of a regional wastewater pumping station, force main and gravity interceptor that will eliminate the Quarterfield Pumping Station, New Cut Farms Pumping Station and interim Cayuga Farms Pumping Station. Modifications will also be made to the Ben Oaks Pumping Station.

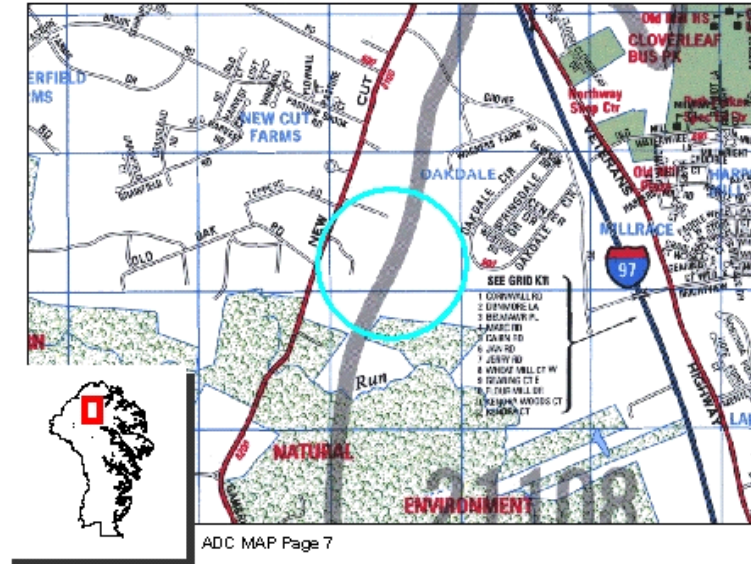
Project costs were increased in FY05 and FY08 due to plans to construct approximately 7,700 feet of interceptor sewer from Upton Rd. to Quarterfield Rd.

Benefit

Service expansion and increased efficiency.

Amendment History

Removed \$250,000 via AMD #41 to Bill 46-13. Removed \$2,829,000 via AMD #4 to Bill 23-14. County Council removed \$167k via AMD #31 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$410,874	Plans and Engineering	\$72,615	\$72,615	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$385,163	Land	\$304,007	\$304,007	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,189,694	Construction	(\$615,525)	(\$482,525)	(\$133,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$416,072	Overhead	\$250,274	\$257,274	(\$7,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,401,804	Total	\$11,372	\$151,372	(\$140,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$3,390,432)	(\$3,250,432)	(\$140,000)	\$0	\$0	\$0	\$0	\$0	\$0

S792900 Cayuga Farms PS & FM

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Project Complete
2. Action Taken In Current Fiscal Year: Project Complete
3. Action Required To Complete This Project: Project Complete

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 1999 \$2,117,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$3,250,399	\$11,858	\$3,262,258
April 1, 2018	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,401,804	WasteWater Bonds	\$11,372	\$151,372	(\$140,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,401,804	Total	\$11,372	\$151,372	(\$140,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$3,390,432)	(\$3,250,432)	(\$140,000)	\$0	\$0	\$0	\$0	\$0	\$0

S797800 Furnace Brn Swr Repl

Class: Wastewater

FY2019 Council Approved

Description

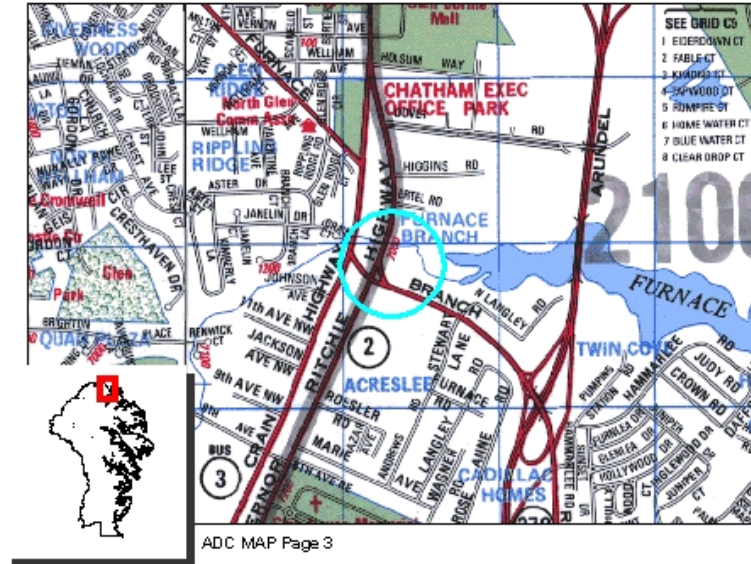
This project is to design and construct a new sewer line under Sawmill Creek east of Ritchie Highway in Glen Burnie.

Benefit

The new sewer line will relieve capacity problems in an existing 21-inch sewer west of Ritchie Highway and replace an existing sewer laid at zero slope.

Amendment History

County Council removed \$650,000 via AMD #25 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$98,000	Plans and Engineering	\$98,000	\$98,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$20,000	Construction	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$36,000	Overhead	\$36,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$154,000	Total	\$154,000	\$154,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S797800 Furnace Brn Swr Repl

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Complete Schematic Design Report
3. Action Required To Complete This Project: Alignment selection

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2000 \$504,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$52,001	\$0	\$52,001
April 1, 2018	\$58,114	\$0	\$58,114

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$154,000	WasteWater Bonds	\$154,000	\$154,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$154,000	Total	\$154,000	\$154,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S797900 Broadneck WRF Upgrd

Class: Wastewater

FY2019 Council Approved

Description

This project consists of upgrading existing polishing pond to an emergency storage pond sized to meet the requirements of the NPDES Permit at Broadneck WRF. Work includes installing influent screening bypass, bar screen upgrades, disinfection system upgrade/expansion and other miscellaneous facility upgrades to re-rate the treatment facility to 8 MGD.

Project description amended in FY16 to upgrade the grit-removal system, to construct hydraulic improvements, and to relocate the influent flow-measuring device.

Benefit

Permit compliance and improved efficiency and to rehabilitate/replace old facilities.

Amendment History

County Council removed \$105k vin FY17 via AMD #109 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$84,294)	Plans and Engineering	(\$84,294)	(\$84,294)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$212,555	Land	\$212,555	\$212,555	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,567,210	Construction	\$11,209,210	\$4,637,210	\$0	\$6,572	\$0	\$0	\$0	\$0	\$0
\$566,660	Overhead	\$649,660	\$320,660	\$0	\$329	\$0	\$0	\$0	\$0	\$0
\$10,262,131	Total	\$11,987,131	\$5,086,131	\$0	\$6,901	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,725,000	\$0	(\$5,176,000)	\$6,901	\$0	\$0	\$0	\$0	\$0

S797900 Broadneck WRF Upgrd

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This project: Active
2. Action Taken In Current Fiscal Year: Design Phase 2
3. Action Required To Complete This Project: Design, Construction, and Performance Phase 2

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased based on Current Estimate
3. Change In Scope: None
4. Change In Timing: Deferred Construction to FY20

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2001 \$3,313,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$861,300	\$211,004	\$1,072,304
April 1, 2018	\$1,084,767	\$0	\$1,084,767

Prior Year Project Total	Funding	Project Total	Prior Approval	Capital Program (\$000)						Beyond 6 Years
				Budget FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
\$10,262,131	WasteWater Bonds	\$11,987,131	\$5,086,131	\$0	\$6,901	\$0	\$0	\$0	\$0	\$0
\$10,262,131	Total	\$11,987,131	\$5,086,131	\$0	\$6,901	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,725,000	\$0	(\$5,176,000)	\$6,901	\$0	\$0	\$0	\$0	\$0

S798100 Wastewater Scada Upg

Class: Wastewater

FY2019 Council Approved

Description

This project consists of upgrading existing repeater stations, remote terminal units and software. The upgrade will be implemented in four phases:

- Phase I - Mayo Area
- Phase II - Southern Region except Mayo Area
- Phase III - North Region
- Phase IV - Emergency Dispatch Equipment & Software Upgrade

Location

Project description amended in FY07 to include purchasing of new communication equipment and software to replace out dated equipment.

Project description amended in FY16 to include remote switchgear and electrical alarming for water and wastewater facilities.

Countywide

Benefit

System upgrade and efficiency in operation.

Amendment History

County Council removed \$3,000,000 via amendment #48 to Bill 28-10. County Council removed \$105k via AMD #75 to Bill 29-15. CC removed \$100k via AMD #31 to Bill 37-18.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$173,973	Plans and Engineering	\$173,973	\$173,973	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,793,237	Construction	\$3,843,237	\$3,793,237	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
\$201,868	Overhead	\$201,868	\$201,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,169,078	Total	\$4,219,078	\$4,169,078	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0

S798100 Wastewater Scada Upg

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction of Dispatch Area.
3. Action Required To Complete This Project: Construction and Performance of Dispatch Area. Design, Construction, and Performance of Switchgear Alarms.

Change from Prior Year

1. Change In Name Or Description: None.
2. Change In Total Project Cost: Increase based on current estimate
3. Change In Scope: None.
4. Change In Timing: None.

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2001 \$3,573,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$304,212	\$835,958	\$1,140,170
April 1, 2018	\$1,008,284	\$190,299	\$1,198,583

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$4,169,078	WasteWater Bonds	\$4,219,078	\$4,169,078	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
\$4,169,078	Total	\$4,219,078	\$4,169,078	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0

S799200 Mayo Collection Sys Upgrade

Class: Wastewater

FY2019 Council Approved

Description

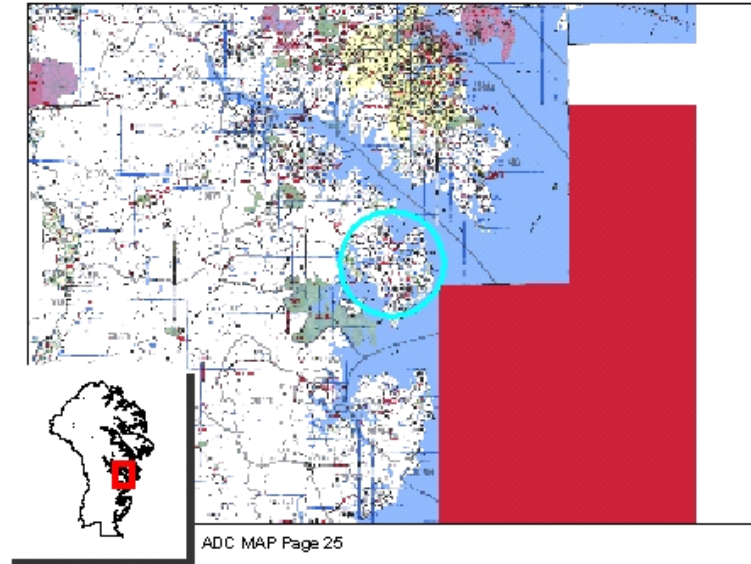
This project is for the expansion of the Mayo Wastewater Collection and Conveyance System.

Benefit

The project will accommodate the planned growth within the Mayo Sewer Service Area.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$195k via AMD #146, added \$250k in FY16 via AMD #193 and \$250k for Fys 17-21 via AMD #204 to Bill 29-15. CC removed \$500k via AMD #73 to Bill 37-18.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$595,339	Plans and Engineering	\$870,339	\$320,339	\$275,000	\$55	\$55	\$55	\$55	\$55	\$0
\$9,573	Land	\$14,573	\$4,573	\$5,000	\$1	\$1	\$1	\$1	\$1	\$0
\$8,612,997	Construction	\$10,237,997	\$6,512,997	\$1,625,000	\$420	\$420	\$420	\$420	\$420	\$0
\$504,921	Overhead	\$599,921	\$384,921	\$95,000	\$24	\$24	\$24	\$24	\$24	\$0
\$9,722,829	Total	\$11,722,829	\$7,222,829	\$2,000,000	\$500	\$500	\$500	\$500	\$500	\$0
More (Less) Than Prior Year Program:		\$2,000,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$500	\$0

S799200 Mayo Collection Sys Upgrade

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Design of Selby area piping upgrades, and Selby 1 & 2 upgrades, and construction of Beverly Beach 1, 2, 3 & 4 upgrades.
3. Action Required To Complete This Project: Multi Year Project

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased FY 19 based on current need, Added FY24 funding
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2003 \$3,000,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$1,729,642	\$3,539,078	\$5,268,721
April 1, 2018	\$2,992,785	\$2,193,263	\$5,186,048

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$8,722,829	WasteWater Bonds	\$10,722,829	\$6,222,829	\$2,000,000	\$500	\$500	\$500	\$500	\$500	\$0
\$1,000,000	WasteWater PayGo	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Bond Premium	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,722,829	Total	\$11,722,829	\$7,222,829	\$2,000,000	\$500	\$500	\$500	\$500	\$500	\$0
More (Less) Than Prior Year Program:		\$2,000,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$500	\$0

S800600 Dewatering Facilities

Class: Wastewater

FY2019

Council Approved

Description

Project will provide funding to complete planning, design, right of way acquisition and construction of dewatering facilities at Maryland City WRF, Broadneck WRF, Annapolis WRF and Patuxent WRF. The planning study and design will be completed in accordance with the recommendations of the Biosolids Management Plan. The project will address environmental, cost, technology and other miscellaneous factors related to implementing dewatering improvements.

Location

Countywide

Benefit

Continued reliable operation of the existing sludge handling and processing facilities.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,645,000	Plans and Engineering	\$3,918,000	\$3,645,000	\$273,000	\$0	\$0	\$0	\$0	\$0	\$0
\$16,000	Land	\$16,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$40,986,000	Construction	\$41,496,000	\$40,986,000	\$510,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,786,000	Overhead	\$1,971,000	\$1,786,000	\$185,000	\$0	\$0	\$0	\$0	\$0	\$0
\$46,433,000	Total	\$47,401,000	\$46,433,000	\$968,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$968,000	\$0	\$968,000	\$0	\$0	\$0	\$0	\$0	\$0

S800600 Dewatering Facilities

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction and Performance at Broadneck WRF and Annapolis WRF. Construction of Patuxent WRF, and Performance of Maryland City WRF
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased based on current cost estimate
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$13,274,700

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$3,839,086	\$27,518,622	\$31,357,707
April 1, 2018	\$12,167,127	\$29,801,947	\$41,969,074

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$46,433,000	WasteWater Bonds	\$46,401,000	\$46,433,000	(\$32,000)	\$0	\$0	\$0	\$0	\$0	\$0
	Other State Grants	\$1,000,000	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0
\$46,433,000	Total	\$47,401,000	\$46,433,000	\$968,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$968,000	\$0	\$968,000	\$0	\$0	\$0	\$0	\$0	\$0

S800700 Regional Sludge Facility

Class: Wastewater

FY2019

Council Approved

Description

Project will provide funding to complete planning studies for the design and construction of a regional Class A sludge processing facility. This study is being completed in accordance with the recommendations of the Biosolids Management Plan. The studies will address environmental, cost, technology and other miscellaneous factors related to the construction of a regional sludge processing facility.

Location

Based on the results of the planning studies, this project description may be amended in the future to include design and construction of the recommended improvements.

Countywide

Benefit

To ensure long term facilities are developed for the treatment and disposal of sludge from the County's Water Reclamation Facilities.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$925,000	Plans and Engineering	\$631,000	\$925,000	(\$294,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$59,500	Overhead	\$30,500	\$59,500	(\$29,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$984,500	Total	\$661,500	\$984,500	(\$323,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$323,000)	\$0	(\$323,000)	\$0	\$0	\$0	\$0	\$0	\$0

S800700 Regional Sludge Facility

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Continue Phase 3 (Develop RFP)
3. Action Required To Complete This Project: Complete Phase 3

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decrease based on current estimate
3. Change In Scope: decrease due to additional design work not required
4. Change In Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$157,500

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$553,181	\$4,761	\$557,942
April 1, 2018	\$577,090	\$4,761	\$581,851

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$984,500	WasteWater Bonds	\$661,500	\$984,500	(\$323,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$984,500	Total	\$661,500	\$984,500	(\$323,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$323,000)	\$0	(\$323,000)	\$0	\$0	\$0	\$0	\$0	\$0

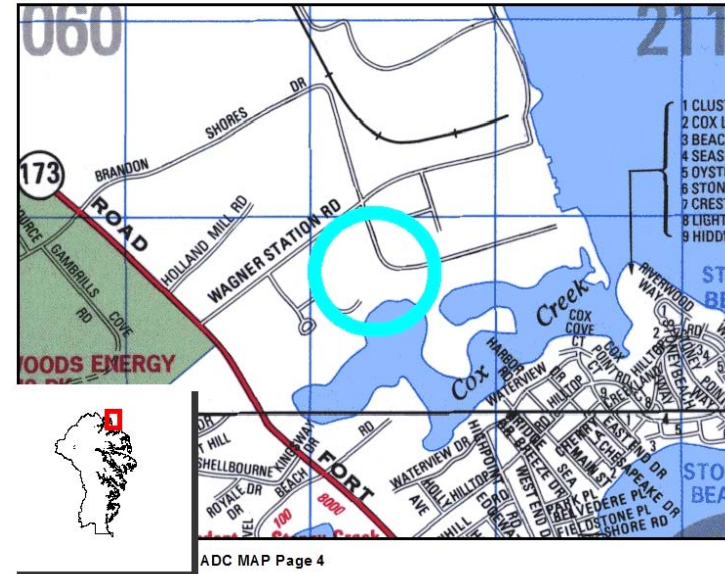
S802200 Cox Creek WRF ENR

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Cox Creek WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP).



Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

Removed \$1,223,000 via AMD #6 to Bill 23-14.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$14,540,107	Plans and Engineering	\$14,540,107	\$14,540,107	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,000	Land	\$12,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
‡114,703,949	Construction	‡114,703,949	‡114,703,949	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,949,908	Overhead	\$1,949,908	\$1,949,908	\$0	\$0	\$0	\$0	\$0	\$0	\$0
‡131,205,964	Total	‡131,205,964	‡131,205,964	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802200 Cox Creek WRF ENR

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Performance Phase II
3. Action Required To Complete This Project: Performance for Phase II

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$155,011,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$114,993,205	\$7,077,217	\$122,070,422
April 1, 2018	\$123,668,443	\$1,881,576	\$125,550,019

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$50,376,243	WasteWater Bonds	\$50,376,243	\$50,376,243	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$80,829,721	Other State Grants	\$80,829,721	\$80,829,721	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$131,205,964	Total	\$131,205,964	\$131,205,964	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802300 WRF Infrastr Up/Retro

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for design and construction to upgrade various wastewater system infrastructure, including structures and equipment to meet current control and operational standards.

Location

Countywide

Benefit

This project will better ensure the proper operation and maintenance of wastewater infrastructure facilities to allow upgrades, rehabilitation or replacement of various components to improve reliability and performance.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$2.3 m via AMD #147, added \$2,772,000 via AMD #192 and \$552k/year for FYs17-21 via AMD #205 to Bill 29-15. CC removed \$1m via AMD #32 to Bill 37-18.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,441,537	Plans and Engineering	\$2,178,301	\$1,434,301	\$124,000	\$124	\$124	\$124	\$124	\$124	
\$4,500,000	Land	\$0	\$750,000	(\$750,000)	\$0	\$0	\$0	\$0	\$0	
\$3,256,360	Construction	\$7,431,104	\$2,725,104	\$576,000	\$826	\$826	\$826	\$826	\$826	
\$213,671	Overhead	\$498,831	\$198,831	\$50,000	\$50	\$50	\$50	\$50	\$50	
(\$47,887)	Other	(\$47,887)	(\$47,887)	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,363,681	Total	\$10,060,348	\$5,060,348	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
More (Less) Than Prior Year Program:		(\$303,332)	(\$303,332)	(\$1,000,000)	\$0	\$0	\$0	\$0	\$1,000	Multi-Yr

S802300 WRF Infrastr Up/Retro

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Initiated Broadwater PCS upgrade design, design of Annapolis Influent SPS mods, Annapolis ethernet upgrades, and Broadneck and Brod=adwater emergency pond liner upgrade.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Revised Phase Amounts and Added FY24 funding
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$8,500,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$840,484	\$990,387	\$1,830,871
April 1, 2018	\$1,114,724	\$312,811	\$1,427,535

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$9,783,777	WasteWater Bonds	\$9,783,777	\$4,783,777	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
\$279,904	WasteWater PayGo	\$276,571	\$276,571	\$0	\$0	\$0	\$0	\$0	\$0	
\$300,000	Bond Premium	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,363,681	Total	\$10,060,348	\$5,060,348	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
More (Less) Than Prior Year Program:		(\$303,332)	(\$303,332)	(\$1,000,000)	\$0	\$0	\$0	\$0	\$1,000	Multi-Yr

S802500 Grease/Grit Facility

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the planning, design, right of way acquisition and construction of a facility to process grease and grit removed from pumping stations and other wastewater infrastructure.

Location

Countywide

Benefit

Improved efficiency and operational reliability.

Amendment History

County Council removed \$85k via AMD #34 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$726,000	Plans and Engineering	\$681,000	\$726,000	(\$45,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,616,000	Land	\$2,718,000	\$2,616,000	\$102,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,822,000	Construction	\$3,843,000	\$3,822,000	\$21,000	\$0	\$0	\$0	\$0	\$0	\$0
\$358,000	Overhead	\$362,000	\$358,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0
\$7,522,000	Total	\$7,604,000	\$7,522,000	\$82,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$82,000	\$0	\$82,000	\$0	\$0	\$0	\$0	\$0	\$0

S802500 Grease/Grit Facility

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Initiated Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase Based on Current Cost Estimates and Fiscal Analysis
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$392,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$3,142,180	\$228,805	\$3,370,985
April 1, 2018	\$3,362,251	\$490,967	\$3,853,218

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$7,522,000	WasteWater Bonds	\$7,604,000	\$7,522,000	\$82,000	\$0	\$0	\$0	\$0	\$0	\$0
\$7,522,000	Total	\$7,604,000	\$7,522,000	\$82,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$82,000	\$0	\$82,000	\$0	\$0	\$0	\$0	\$0	\$0

S802800 Sewer Proj Mgmt

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested to provide contract services for project management of wastewater class projects during design, right of way acquisition, construction and performance. Funding for this project will be reimbursed by the individual capital projects to be managed.

Location

Countywide

Benefit

Improved efficiency during execution of the Capital Improvement Program.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,000,000	Other	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,000,000	Total	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S802800 Sewer Proj Mgmt

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Multi Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$1,000,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$207,455	\$895,331	\$1,102,786
April 1, 2018	\$352,787	\$1,290,252	\$1,643,039

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,000,000	Project Reimbursement	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,000,000	Total	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S802900 Annapolis WRF ENR

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Annapolis WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP).

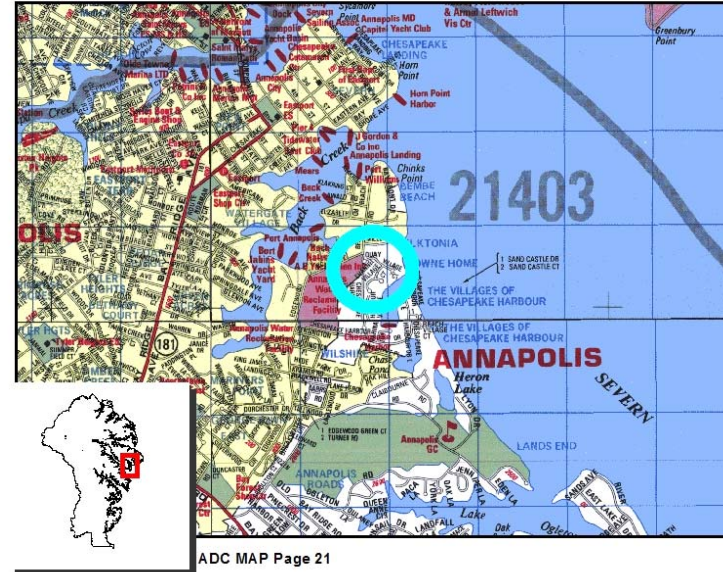
The construction of this project is funded over 2 years.

Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

County Council removed \$6,640,055 via AMD #111 to Bill 27-11.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,450,000	Plans and Engineering	\$1,450,000	\$1,450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$18,032,945	Construction	\$19,892,945	\$18,032,945	\$1,860,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,636,000	Overhead	\$1,186,000	\$1,636,000	(\$450,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$21,124,945	Total	\$22,534,945	\$21,124,945	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,410,000	\$0	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0

S802900 Annapolis WRF ENR

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Design and Construct Ultraviolet Disinfection Modifications
3. Action Required To Complete This Project: Construction and Performance of UV Disinfection Modifications

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimate of UV system
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$21,142,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$19,933,546	\$63,007	\$19,996,553
April 1, 2018	\$20,007,808	\$13,871	\$20,021,680

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$6,424,945	WasteWater Bonds	\$7,834,945	\$6,424,945	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0
\$14,700,000	Other State Grants	\$14,700,000	\$14,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$21,124,945	Total	\$22,534,945	\$21,124,945	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,410,000	\$0	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0

S803000 Maryland City WRF ENR

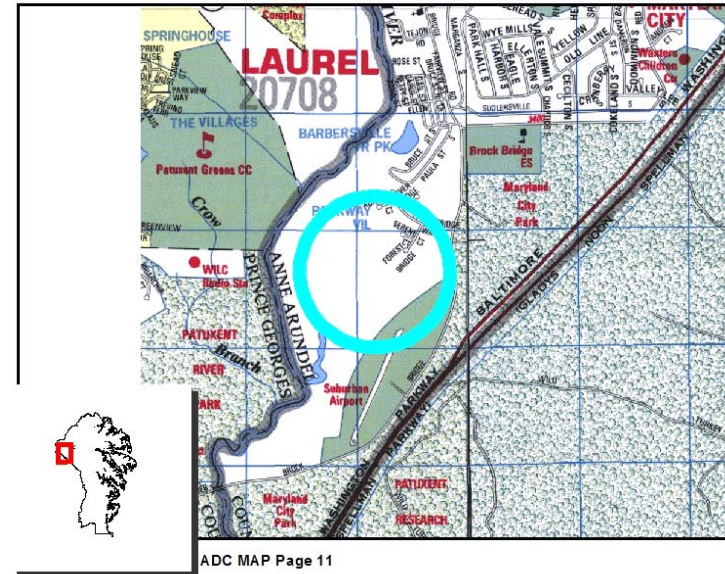
Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Maryland City WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP).



Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

County Council removed \$1,700,000 via AMD #36 to Bill 29-15. CC removed \$70k & switched funding sources via AMD #27 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,198,000	Plans and Engineering	\$760,961	\$760,961	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,722,000	Construction	\$6,961,531	\$6,983,531	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$507,000	Overhead	\$436,131	\$436,131	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,427,000	Total	\$8,158,623	\$8,180,623	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,268,377)	(\$1,246,377)	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803000 Maryland City WRF ENR

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status of this Project: Complete
2. Action Taken in Current FY: Complete
3. Action Required To Complete This Project: Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$2,505,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$9,396,306	\$7,921	\$9,404,227
April 1, 2018	\$8,158,575	\$0	\$8,158,575

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,954,000	WasteWater Bonds	\$4,685,623	\$4,707,623	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,473,000	Other State Grants	\$3,473,000	\$3,473,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,427,000	Total	\$8,158,623	\$8,180,623	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,268,377)	(\$1,246,377)	(\$22,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803100 Broadneck WRF ENR

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Broadneck WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP). Upgrade to include UV Disinfection System.

Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,225,000	Plans and Engineering	\$1,786,000	\$1,225,000	\$561,000	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$0	\$6,000	(\$6,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$22,843,000	Construction	\$22,450,000	\$22,843,000	(\$393,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,701,000	Overhead	\$1,394,000	\$1,701,000	(\$307,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$25,775,000	Total	\$25,630,000	\$25,775,000	(\$145,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$145,000)	\$0	(\$145,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803100 Broadneck WRF ENR

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Performance of Compressor Repairs
3. Action Required To Complete This Project: Performance of Compressor Repairs

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: decreased based on Actual Costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$23,659,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$23,495,807	\$1,848,751	\$25,344,559
April 1, 2018	\$24,951,077	\$141,668	\$25,092,745

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$17,924,000	WasteWater Bonds	\$17,779,000	\$17,924,000	(\$145,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$7,851,000	Other State Grants	\$7,851,000	\$7,851,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,775,000	Total	\$25,630,000	\$25,775,000	(\$145,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$145,000)	\$0	(\$145,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803700 Broadwater WRF ENR

Class: Wastewater

FY2019 Council Approved

Description

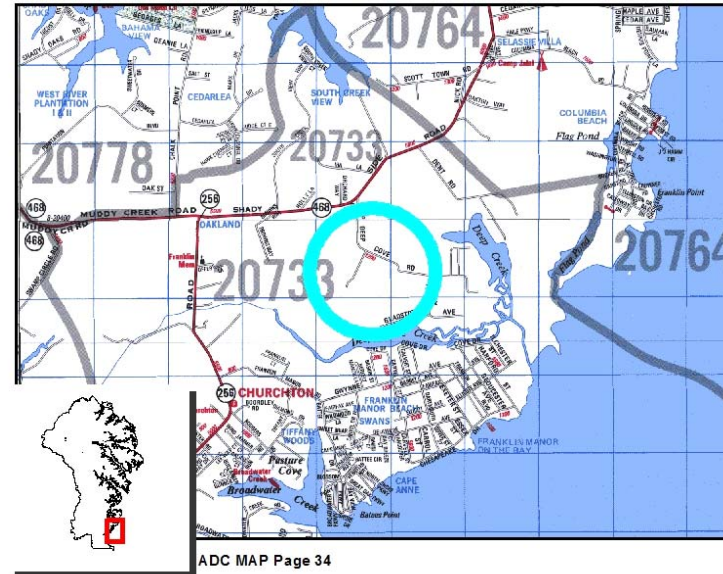
This project includes planning, right-of-way acquisition, design, construction of processes required to meet enhanced nutrient removal (3.0 MG/L TN and 0.3 MG/L TP).

Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

County Council removed \$6,763,050 via AMD #112 to Bill 27-11. CC removed \$70k via AMD #28 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,997,000	Plans and Engineering	\$1,997,000	\$1,997,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,000	Land	\$2,000	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$15,951,950	Construction	\$15,951,950	\$15,951,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,139,000	Overhead	\$1,139,000	\$1,139,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$19,089,950	Total	\$19,089,950	\$19,089,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S803700 Broadwater WRF ENR

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Complete Construction Phase 2 and Performance Phase 2
3. Action Required To Complete This Project: Performance Phase 2

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$11,064,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$10,690,251	\$6,175,353	\$16,865,604
April 1, 2018	\$12,047,496	\$4,985,263	\$17,032,759

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$13,040,000	WasteWater Bonds	\$13,040,000	\$13,040,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,049,950	Other State Grants	\$6,049,950	\$6,049,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$19,089,950	Total	\$19,089,950	\$19,089,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S803800 Sylvan Shores WW Collect Sys

Class: Wastewater

FY2019

Council Approved

Description

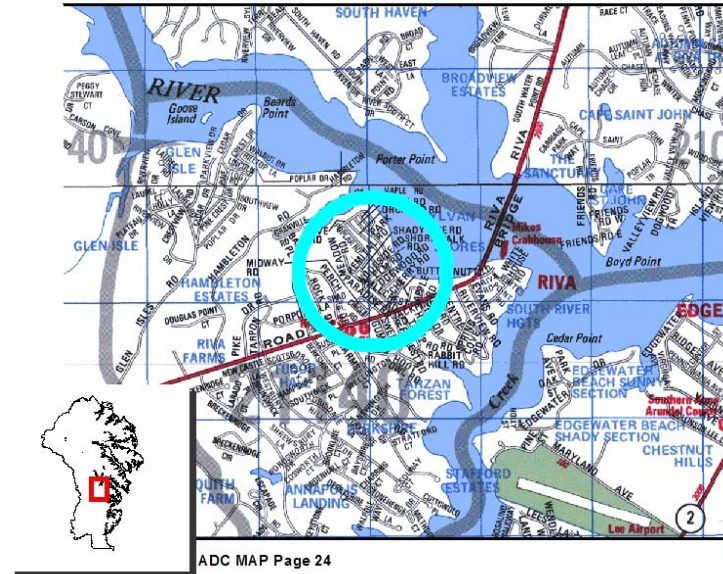
Funds are requested for the design, right of way acquisition and construction of a sanitary sewer system to serve approximately 262 properties within the community of Sylvan Shores. This project is in response to a valid petition for public sewer service.

Benefit

Project will provide public sewer service to properties currently connected to a deteriorating private wastewater collection system.

Amendment History

Removed proposed de-appropriation of \$5,018,000 via amendment #80 to Bill 28-10.
 Removed \$1,200,000 via AMD #42 to Bill 46-13. CC removed \$175k via AMD #148 to Bill 29-15. CC removed \$185,000 via AMD #26 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$335,000	Plans and Engineering	\$103,000	\$335,000	(\$232,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$50,000	Land	\$3,000	\$50,000	(\$47,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,966,000	Construction	\$2,938,000	\$2,966,000	(\$28,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$241,000	Overhead	\$168,000	\$241,000	(\$73,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,592,000	Total	\$3,212,000	\$3,592,000	(\$380,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$380,000)	\$0	(\$380,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803800 Sylvan Shores WW Collect Sys

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Complete
3. Action Required To Complete This Project: Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual cost.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$5,052,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$3,136,472	\$3,234	\$3,139,706
April 1, 2018	\$3,144,770	\$9,467	\$3,154,237

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,944,000	WasteWater Bonds	\$2,564,000	\$2,944,000	(\$380,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$648,000	Other State Grants	\$648,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,592,000	Total	\$3,212,000	\$3,592,000	(\$380,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$380,000)	\$0	(\$380,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804100 Patuxent WRF ENR

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Patuxent WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP).

Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

Removed \$1,000,000 via AMD #43 to Bill 46-13. CC removed \$100k via AMD #38 to Bill 29-15. CC removed \$500,000 via AMD #27 to Bill 31-16. CC removed \$170k via AMD #28 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,351,000	Plans and Engineering	\$1,351,000	\$1,351,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$11,010,000	Construction	\$11,010,000	\$11,010,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$763,000	Overhead	\$763,000	\$763,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$13,130,000	Total	\$13,130,000	\$13,130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804100 Patuxent WRF ENR

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$5,379,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$13,123,524	\$1,425	\$13,124,950
April 1, 2018	\$13,123,524	\$0	\$13,123,524

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$9,417,000	WasteWater Bonds	\$9,417,000	\$9,417,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,713,000	Other State Grants	\$3,713,000	\$3,713,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$13,130,000	Total	\$13,130,000	\$13,130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804300 Jennifer Road PS Upg

Class: Wastewater

FY2019

Council Approved

Description

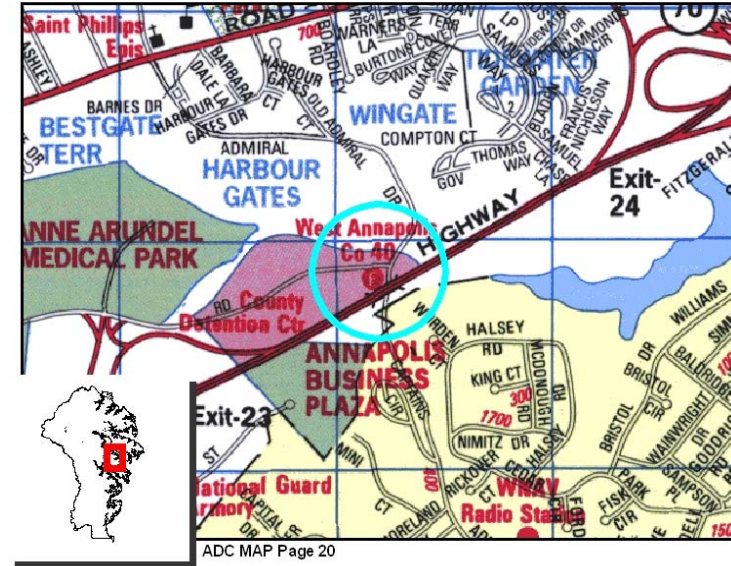
Funds are requested for the design, right of way acquisition and construction of increased capacity for the Jennifer Road Sewage Pumping Station service area. Project may incorporate either the expansion of the existing pumping station or construction of a new station. The project also includes replacement of portion of the existing forcemain with approximately 3000 linear feet of 18 inch forcemain to reduce dynamic head conditions on the station.

Benefit

Project will provide increased capacity within the sewage collection system to meet development needs, as well as, providing increased reliability.

Amendment History

Removed \$500K via AMD #44 to Bill 46-13. County Council removed \$135k via AMD #39 to Bill 29-15. CC removed \$60k via AMD #33 to Bill 37-18.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,378,000	Plans and Engineering	\$1,228,000	\$1,378,000	(\$150,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$200,000	Land	\$5,000	\$200,000	(\$195,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$7,994,000	Construction	\$7,664,000	\$7,994,000	(\$330,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$568,000	Overhead	\$463,000	\$568,000	(\$105,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,140,000	Total	\$9,360,000	\$10,140,000	(\$780,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$780,000)	\$0	(\$780,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804300 Jennifer Road PS Upg

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Conditional Acceptance of Pumping Station
3. Action Required To Complete This Project: Performance of Pumping Station

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$1,710,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$7,994,406	\$482,530	\$8,476,936
April 1, 2018	\$8,250,885	\$405,061	\$8,655,946

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$10,140,000	WasteWater Bonds	\$9,360,000	\$10,140,000	(\$780,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,140,000	Total	\$9,360,000	\$10,140,000	(\$780,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$780,000)	\$0	(\$780,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804400 Balto City Sewer Agrmnt

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested to reimburse Baltimore City for Anne Arundel County's proportional share of costs associated with improvements to the City's wastewater system. Cost reimbursement will be in accordance with interjurisdictional agreement(s).

Location

Countywide

Benefit

Compliance with interjurisdictional agreement(s).

Amendment History

Removed \$683k via AMD #67 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,735,000	Other	\$5,235,000	\$5,735,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	
\$5,735,000	Total	\$5,235,000	\$5,735,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$500,000)	\$0	(\$500,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S804400 Balto City Sewer Agrmnt

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decrease based on current estimate
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$735,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$1,187,167	\$2,402,885	\$3,590,052
April 1, 2018	\$2,107,584	\$1,482,468	\$3,590,052

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$530,000	WasteWater Bonds	\$530,000	\$530,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$5,205,000	WasteWater PayGo	\$4,705,000	\$5,205,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	
\$5,735,000	Total	\$5,235,000	\$5,735,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$500,000)	\$0	(\$500,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S804600 WW System Security

Class: Wastewater

FY2019

Council Approved

Description

Design and construction of measures that will reduce the vulnerability of wastewater infrastructure and improve wastewater system security.

Location

Countywide

Benefit

Increase security of vital utility infrastructure.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$580,000	Plans and Engineering	\$536,499	\$536,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,000	Land	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,448,000	Construction	\$1,437,465	\$1,437,465	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$122,000	Overhead	\$119,022	\$119,022	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,160,000	Total	\$2,102,985	\$2,102,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$57,015)	(\$57,015)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804600 WW System Security

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Design, Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2008 \$1,000,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$87,404	\$129,440	\$216,844
April 1, 2018	\$140,035	\$46,498	\$186,533

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,160,000	WasteWater PayGo	\$2,102,985	\$2,102,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,160,000	Total	\$2,102,985	\$2,102,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$57,015)	(\$57,015)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804700 Mill Creek SPS Upg

Class: Wastewater

FY2019 Council Approved

Description

This project includes the design and construction of various upgrades to the Mill Creek Sewage Pumping Station. The purpose of the project is to replace and update mechanical equipment, electrical equipment, controls, generator replacement, etc. to improve the station's operation and reliability.

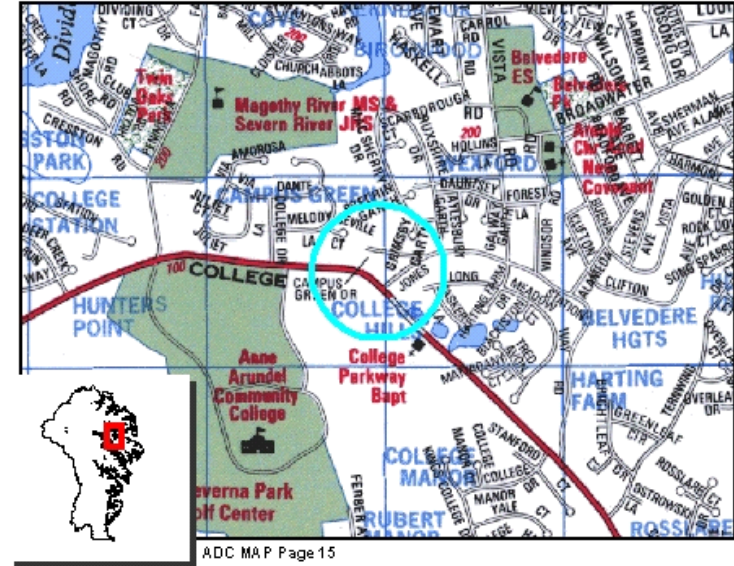
Two year construction funding is proposed.

Benefit

Improved operation and reliability.

Amendment History

Prior appropriation increased by Council Bill 84-14.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$990,000	Plans and Engineering	\$978,000	\$990,000	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,000	Land	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,919,000	Construction	\$9,919,000	\$9,919,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$458,000	Overhead	\$458,000	\$458,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$11,377,000	Total	\$11,365,000	\$11,377,000	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$12,000)	\$0	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804700 Mill Creek SPS Upg

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Complete
3. Action Required To Complete This Project: Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on Actual Costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2008 \$7,310,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$11,340,848	\$6,990	\$11,347,838
April 1, 2018	\$11,343,108	\$0	\$11,343,108

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$11,377,000	WasteWater Bonds	\$11,365,000	\$11,377,000	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$11,377,000	Total	\$11,365,000	\$11,377,000	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$12,000)	\$0	(\$12,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804900 Parole SPS Upgrade

Class: Wastewater

FY2019 Council Approved

Description

This project is for the design and construction of miscellaneous improvements to the Parole Sewage Pumping Station. The improvements include, but are not limited to the replacement of pump positions number 1 and 3; replacement and upgrade of the influent screening devices to grinders; variable frequency drives and controls upgrades; installation of a generator for back up power supply; and other improvements.

FY14 Description amended to include upgrade of odor control system.

Benefit

The project will provide improved sewage pumping station operation and reliability.

Amendment History

County Council removed \$90k via AMD #40 to Bill 29-15. CC removed \$100k via AMD #30 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$892,071	Plans and Engineering	\$892,071	\$892,071	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$459,737)	Construction	(\$459,737)	(\$459,737)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$34,369	Overhead	\$34,369	\$34,369	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$491,702	Total	\$491,702	\$491,702	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804900 Parole SPS Upgrade

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Project Complete
2. Action Taken In Current Fiscal Year: Project Complete
3. Action Required To Complete This Project: Project Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2008 \$6,880,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$485,185	\$992	\$486,177
April 1, 2018	\$486,219	\$0	\$486,219

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$491,702	WasteWater Bonds	\$491,702	\$491,702	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$491,702	Total	\$491,702	\$491,702	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S805200 Riviera Beach SPS Mods

Class: Wastewater

FY2019

Council Approved

Description

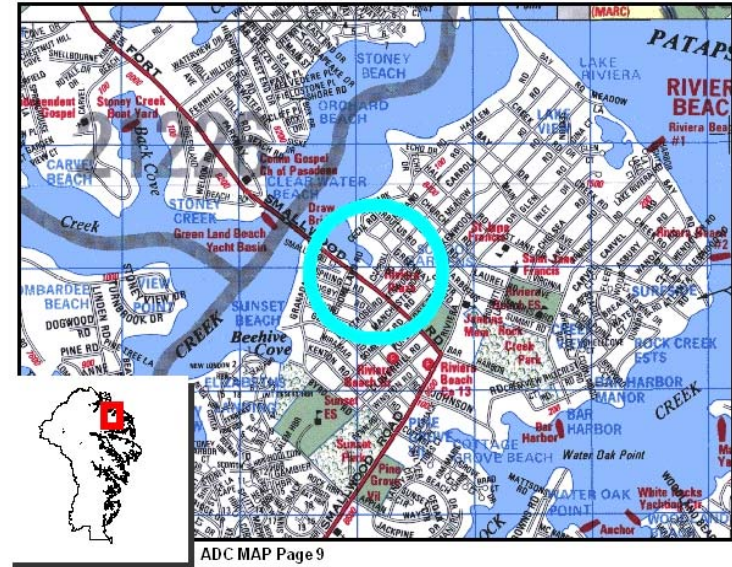
Funds are requested for the planning, design, right of way acquisition and construction of overflow structure modifications and pump station reliability improvements necessary to minimize risks of sanitary sewer overflows from the Riviera Beach Sewage Pump Station.

Benefit

This project will provide improved operational reliability of the pump station to avoid over-flows and adverse environmental impacts in accordance with regulatory requirements.

Amendment History

County Council removed \$2,360,000 via AMD #41 to Bill 29-15. County Council removed \$40k via FY17 via AMD #110 to Bill 29-15. CC removed \$200k via AMD #31 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$510,000	Plans and Engineering	\$510,000	\$510,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,508,000	Construction	\$1,508,000	\$1,508,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$112,000	Overhead	\$112,000	\$112,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,136,000	Total	\$2,136,000	\$2,136,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S805200 Riviera Beach SPS Mods

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Complete
3. Action Required To Complete This Project: Complete

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$6,286,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$1,890,478	\$97,550	\$1,988,028
April 1, 2018	\$1,906,034	\$18,738	\$1,924,772

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,136,000	WasteWater Bonds	\$2,136,000	\$2,136,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,136,000	Total	\$2,136,000	\$2,136,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S805300 Cinder Cove SPS Mods

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the planning, design, right of way acquisition and construction of overflow structure modifications and pump station reliability improvements necessary to minimize risks of sanitary sewer overflows from the Cinder Cove Sewage Pump Station.

Benefit

This project will provide improved operational reliability of the pump station to avoid over-flows and adverse environmental impacts in accordance with regulatory requirements.

Amendment History

Prior appropriation decreased by Council Bill 84-14. County Council removed \$160k via AMD #42 to Bill 29-15. County Council removed \$201k via AMD#47 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$656,000	Plans and Engineering	\$914,000	\$656,000	\$258,000	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$0	\$25,000	(\$25,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$9,498,000	Construction	\$8,368,000	\$9,498,000	(\$1,130,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$385,000	Overhead	\$252,000	\$385,000	(\$133,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,564,000	Total	\$9,534,000	\$10,564,000	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,030,000)	\$0	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805300 Cinder Cove SPS Mods

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on Actual Costs.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$8,620,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$3,292,905	\$3,989,108	\$7,282,013
April 1, 2018	\$7,077,147	\$685,065	\$7,762,212

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$10,564,000	WasteWater Bonds	\$9,534,000	\$10,564,000	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,564,000	Total	\$9,534,000	\$10,564,000	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,030,000)	\$0	(\$1,030,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805400 Marley SPS Upgrade

Class: Wastewater

FY2019 Council Approved

Description

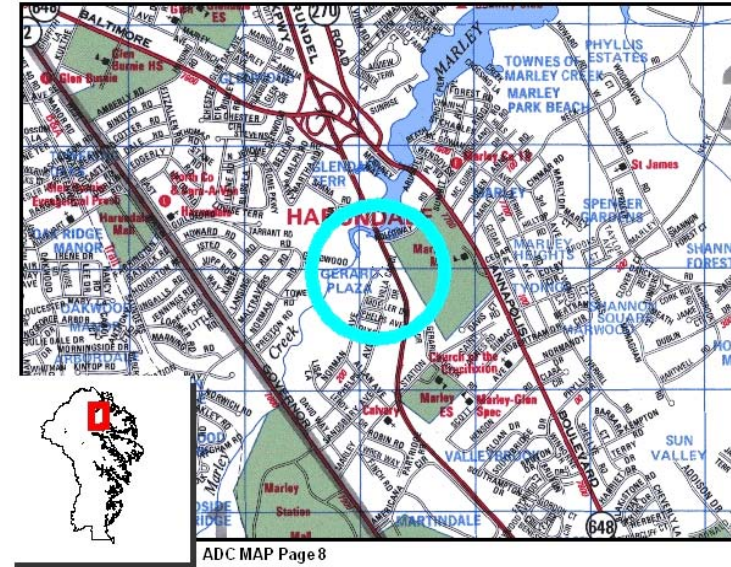
Funds are requested for the planning, design, right of way acquisition and construction of various upgrades to the Marley Sewage Pumping Station. The purpose of the project is to replace and update mechanical equipment, electrical equipment, controls, etc. to improve the station's operation and reliability.

Benefit

Improved operation and reliability.

Amendment History

Removed \$1,000,000 via AMD #47 to Bill 46-13.



ADC MAP Page 8

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$396,000	Plans and Engineering	\$245,811	\$275,811	(\$30,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,671,000	Construction	(\$49,767)	(\$49,767)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$257,000	Overhead	\$16,645	\$39,645	(\$23,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,329,000	Total	\$217,689	\$270,689	(\$53,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$4,111,311)	(\$4,058,311)	(\$53,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805400 Marley SPS Upgrade

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on Actual Costs.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$4,979,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$4,058,311	\$42,976	\$4,101,287
April 1, 2018	\$31,719	\$15,782	\$47,501

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$4,329,000	WasteWater Bonds	\$217,689	\$270,689	(\$53,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,329,000	Total	\$217,689	\$270,689	(\$53,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$4,111,311)	(\$4,058,311)	(\$53,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805900 Odenton Town Cntr Sewr

Class: Wastewater

FY2019 Council Approved

Description

This project includes right of way acquisition and the design and construction of sanitary sewer collectors and interceptor upgrades to serve the proposed Odenton Town Center.

Cost will be recovered through establishment of a defined sanitary district and associated surcharge imposed on development within the district.

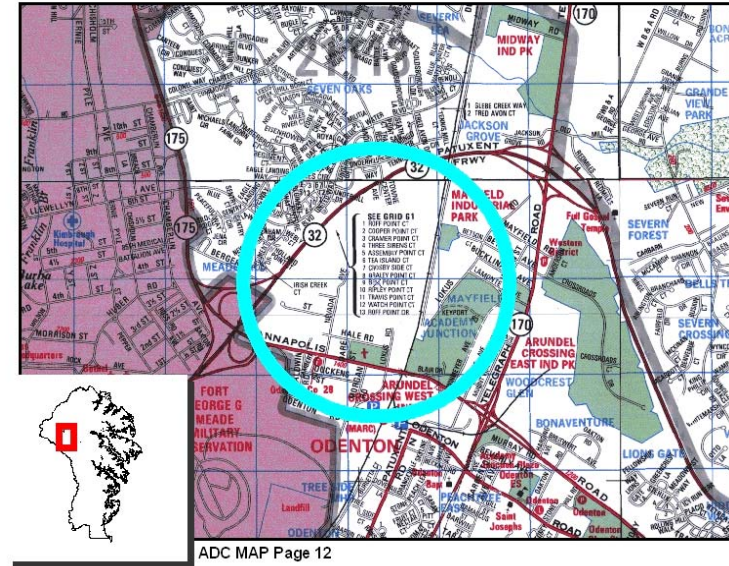
Funds appropriated in the Capital Budget for "Odenton Town Center Sewer" may not be encumbered or expended until the Council establishes, by ordinance, a sewer subdistrict and approves, by ordinance, a Development Rights and Responsibilities Agreement with the developer.

Benefit

The project will accommodate the planned growth within the Odenton Town Center.

Amendment History

County Council added conditional language via AMD #64 to Bill 28-10. County Council removed \$20k via AMD #76 to Bill 29-15. CC removed \$160k via AMD #32 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,257,096	Plans and Engineering	\$1,257,096	\$1,257,096	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,253,000	Land	\$817,000	\$1,253,000	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,002,503	Construction	\$2,002,503	\$2,002,503	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$320,994	Overhead	\$320,994	\$320,994	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$169,517	Other	\$169,517	\$169,517	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,003,110	Total	\$4,567,110	\$5,003,110	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$436,000)	\$0	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805900 Odenton Town Cntr Sewr

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance of Pump Station Improvements.
3. Action Required To Complete This Project: Performance of Pump Station Improvements.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$8,044,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$4,077,244	\$372,243	\$4,449,487
April 1, 2018	\$4,415,212	\$173,472	\$4,588,684

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,003,110	WasteWater Bonds	\$4,567,110	\$5,003,110	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$5,003,110	Total	\$4,567,110	\$5,003,110	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$436,000)	\$0	(\$436,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806000 Chesapeake Bch WWTP

Class: Wastewater

FY2019

Council Approved

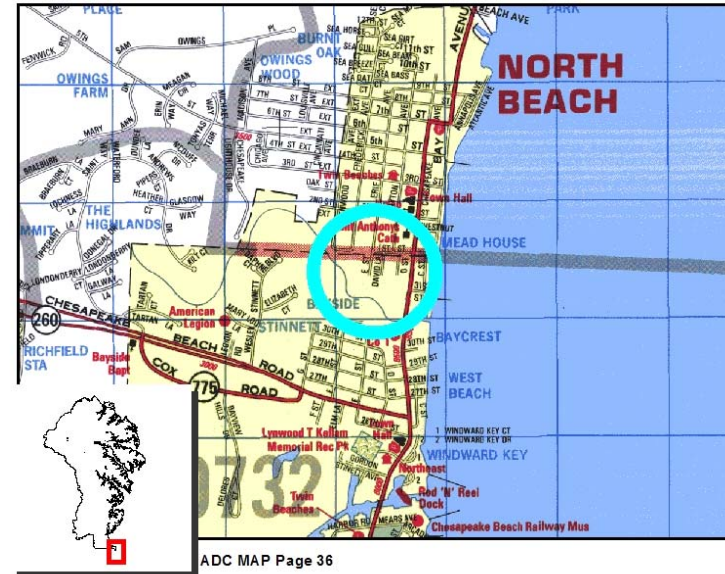
Description

Funds are requested for construction of improvements to the Town of Chesapeake Beach Wastewater Treatment Plant. Funding is Anne Arundel County's apportioned share of the costs in accordance with the County's Agreement with the Town of Chesapeake Beach.

Benefit

Service improvement and increased efficiency.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,166,000	Other	\$1,976,000	\$2,166,000	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,166,000	Total	\$1,976,000	\$2,166,000	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$190,000)	\$0	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806000 Chesapeake Bch WWTP

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Multi-Year
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on current estimate.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$931,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$1,797,137	\$0	\$1,797,137
April 1, 2018	\$1,922,322	\$0	\$1,922,322

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,166,000	WasteWater Bonds	\$1,976,000	\$2,166,000	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,166,000	Total	\$1,976,000	\$2,166,000	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$190,000)	\$0	(\$190,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806100 Cox Creek WRF Non-ENR

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for the design and construction of facility upgrades at the Cox Creek WRF. Upgrades include modifications to the grit chamber, post aeration, chemical feed systems, gravity thickener, new grit classifiers, replacement of the maintenance building and related equipment. Project will also include design and construction of odor control facilities originally proposed under project S802200.

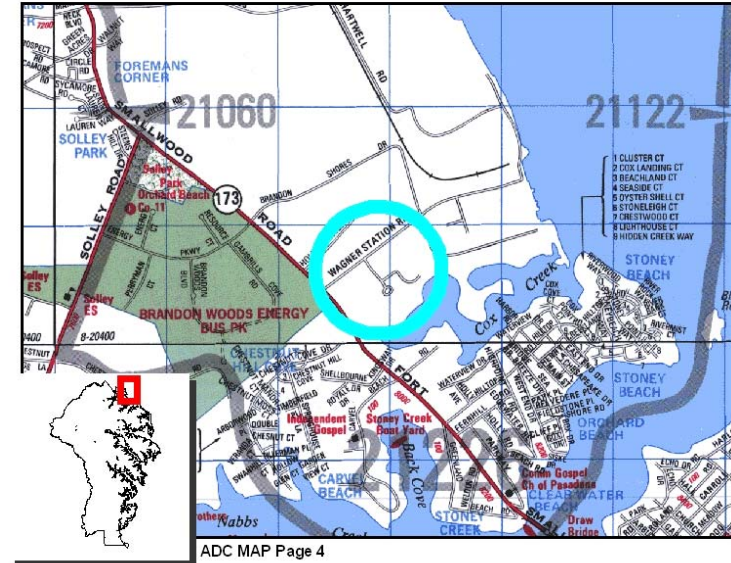
This is a parallel project to S802200 -Cox Creek WRF ENR and includes plant modifications that are not eligible for MDE grant funding thru the ENR program. Work under this project and S802200 is essential to assuring continuous and reliable plant operations within stringent environmental permit limits.

Benefit

The project will enhance and retrofit existing treatment plant components for continued plant reliability and provide odor control.

Amendment History

County Council removed \$360,000 via AMD #48 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,912,000	Plans and Engineering	\$1,912,000	\$1,912,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$23,085,000	Construction	\$23,085,000	\$23,085,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$640,000	Overhead	\$640,000	\$640,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,638,000	Total	\$25,638,000	\$25,638,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806100 Cox Creek WRF Non-ENR

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance Phase 2
3. Action Required To Complete This Project: Performance Phase 2

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2010 \$21,267,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$15,925,388	\$5,839,273	\$21,764,661
April 1, 2018	\$22,161,086	\$1,529,995	\$23,691,081

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$25,638,000	WasteWater Bonds	\$25,638,000	\$25,638,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,638,000	Total	\$25,638,000	\$25,638,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806200 SPS Fac Gen Replace

Class: Wastewater

FY2019 Council Approved

Description

This multi-year project provides funding for design and construction of replacement generators and fuel tanks at sewage pumping stations throughout Anne Arundel County. The County operates approximately 250 sewage pumping stations. This project provides for installation / replacement of 10 to 15 generators per year as well as associated alterations to address code compliance issues.

Location

Countywide

Benefit

Generators provide a more redundant power source to ensure station operation and avoid overflows and adverse environmental impacts in the event of loss of commercial power.

Amendment History

Added \$1,000,000 via AMD #102 to Bill 46-13. County Council removed \$600k via AMD #44 to Bill 29-15. County Council removed \$175k via AMD #82 to Bill 29-15. County Council removed \$35k/year in the prgm via AMD #112 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,679,000	Plans and Engineering	\$6,142,000	\$3,364,000	\$463,000	\$463	\$463	\$463	\$463	\$463	
\$106,000	Land	\$116,000	\$56,000	\$10,000	\$10	\$10	\$10	\$10	\$10	
\$40,565,000	Construction	\$43,781,000	\$24,485,000	\$3,216,000	\$3,216	\$3,216	\$3,216	\$3,216	\$3,216	
\$2,334,000	Overhead	\$2,520,000	\$1,404,000	\$186,000	\$186	\$186	\$186	\$186	\$186	
\$48,684,000	Total	\$52,559,000	\$29,309,000	\$3,875,000	\$3,875	\$3,875	\$3,875	\$3,875	\$3,875	
More (Less) Than Prior Year Program:		\$3,875,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,875	Multi-Yr

S806200 SPS Fac Gen Replace

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design of phases 9, 12, 14 & 16. Construction of phases 8, 10, 11, 13 & 15.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY24 Funding
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2010 \$20,699,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$7,128,488	\$12,131,613	\$19,260,101
April 1, 2018	\$11,342,575	\$11,798,832	\$23,141,407

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$40,099,000	WasteWater Bonds	\$42,811,000	\$26,539,000	\$2,712,000	\$2,712	\$2,712	\$2,712	\$2,712	\$2,712	
\$7,985,000	WasteWater PayGo	\$9,148,000	\$2,170,000	\$1,163,000	\$1,163	\$1,163	\$1,163	\$1,163	\$1,163	
\$600,000	Bond Premium	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$48,684,000	Total	\$52,559,000	\$29,309,000	\$3,875,000	\$3,875	\$3,875	\$3,875	\$3,875	\$3,875	
More (Less) Than Prior Year Program:		\$3,875,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,875	Multi-Yr

S806500 Patuxent WRF Exp

Class: Wastewater

FY2019 Council Approved

Description

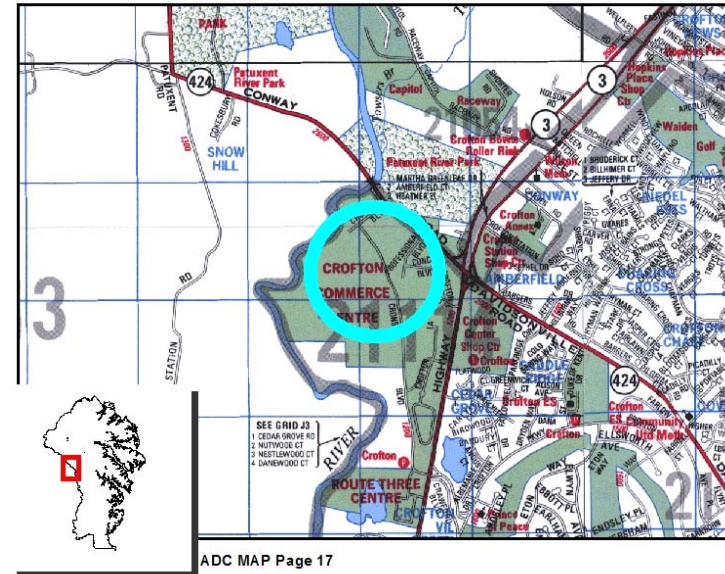
Funds are requested for the design, land acquisition and construction of an expansion of the Patuxent WRF to a capacity of 10.5 MGD. The project will include the addition of a new process train including tankage, process units, modifications to existing facilities, upgrade of the headworks and all other necessary work for the facility's expansion.

Benefit

The project is necessary to meet the future wastewater treatment needs to accommodate growth.

Amendment History

County Council removed \$10k via AMD #83 to Bill 29-15. County Council removed \$10k in FY17 via AMD #111 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$4,706,000	Plans and Engineering	\$5,671,000	\$4,706,000	\$965,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$56,533,000	Construction	\$54,193,000	\$56,533,000	(\$2,340,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,464,000	Overhead	\$2,759,000	\$2,464,000	\$295,000	\$0	\$0	\$0	\$0	\$0	\$0
\$63,704,000	Total	\$62,624,000	\$63,704,000	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,080,000)	\$0	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806500 Patuxent WRF Exp

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decreased based on actual costs
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2011 \$37,631,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$7,880,976	\$45,113,733	\$52,994,709
April 1, 2018	\$40,951,165	\$14,175,294	\$55,126,459

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$53,105,000	WasteWater Bonds	\$41,308,000	\$53,105,000	(\$11,797,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,599,000	Bond Premium	\$21,316,000	\$10,599,000	\$10,717,000	\$0	\$0	\$0	\$0	\$0	\$0
\$63,704,000	Total	\$62,624,000	\$63,704,000	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,080,000)	\$0	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806600 Maryland City WRF Exp

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for the design, land acquisition and construction of an expansion of the Maryland City WRF to a capacity of 3.7 MGD. The project will include the addition of a new process train including tankage, process units, modifications to existing facilities, upgrade of the headworks and all other necessary work for the facility's expansion.

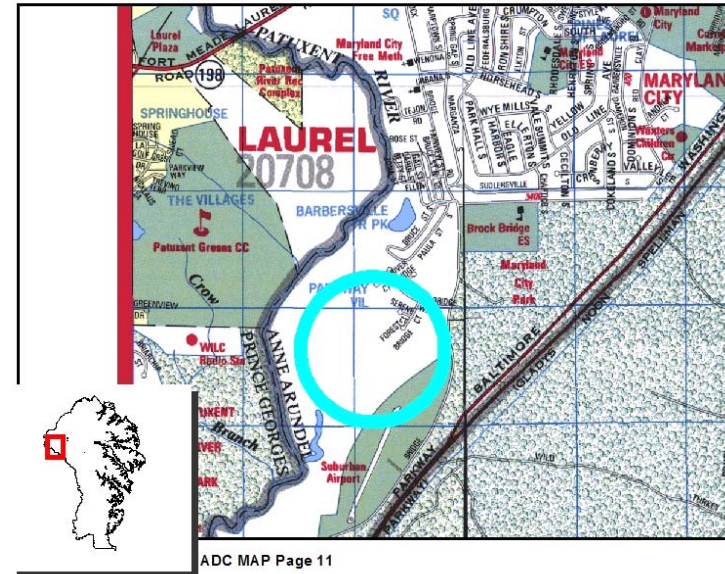
Two Year Construction Funding is proposed.

Benefit

The project is necessary to meet the future wastewater treatment needs to accommodate growth.

Amendment History

CC removed \$2.1m via AMD #34 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,023,000	Plans and Engineering	\$5,067,000	\$5,023,000	\$44,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$0	\$1,000	(\$1,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$38,791,000	Construction	\$37,340,000	\$38,791,000	(\$1,451,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,837,600	Overhead	\$2,119,600	\$1,837,600	\$282,000	\$0	\$0	\$0	\$0	\$0	\$0
\$45,652,600	Total	\$44,526,600	\$45,652,600	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,126,000)	\$0	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806600 Maryland City WRF Exp

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decreased based on actual costs.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2011 \$15,495,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$38,282,391	\$4,323,047	\$42,605,438
April 1, 2018	\$43,387,681	\$508,553	\$43,896,233

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$41,968,600	WasteWater Bonds	\$40,842,600	\$41,968,600	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,684,000	Bond Premium	\$3,684,000	\$3,684,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$45,652,600	Total	\$44,526,600	\$45,652,600	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,126,000)	\$0	(\$1,126,000)	\$0	\$0	\$0	\$0	\$0	\$0

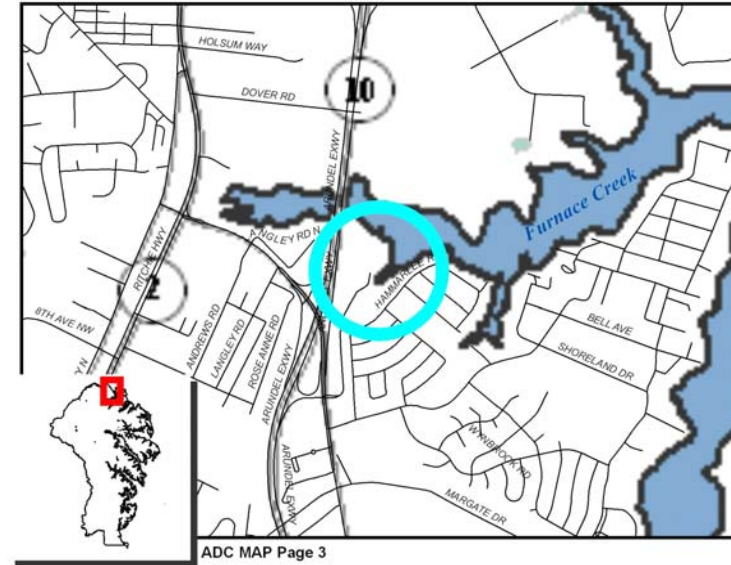
S806700 Cinder Cove FM Rehab

Class: Wastewater

FY2019 Council Approved

Description

Funds are requested for the design, right of way acquisition, and construction of approximately 5,400 linear feet of 36" force main from Hammarlee Drive to Marley Creek.



Benefit

The project will rehabilitate existing forcemain segments and will improve operational reliability.

Amendment History

County Council removed \$115k via AMD #84 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$825,000	Plans and Engineering	\$825,000	\$825,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$365,000	Land	\$365,000	\$365,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,710,000	Construction	\$10,710,000	\$10,710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$599,000	Overhead	\$599,000	\$599,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,499,000	Total	\$12,499,000	\$12,499,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806700 Cinder Cove FM Rehab

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: Changed specified length and width from 10,000 linear feet of 30" force main to 5,400 linear feet of 36" force main.
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2011 \$7,025,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$415,630	\$474,472	\$890,102
April 1, 2018	\$476,676	\$8,718,252	\$9,194,928

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$12,499,000	WasteWater Bonds	\$12,499,000	\$12,499,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,499,000	Total	\$12,499,000	\$12,499,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806900 Rolling Knolls ES Sewer Ext

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for the construction of a sanitary sewer extension to serve the Rolling Knolls Elementary School. The project will extend sewer along Generals Highway from the Generals Highway Sewage Pumping Station to the school site. The project is envisioned to consist of approximately 3,300 linear feet of sewer main.

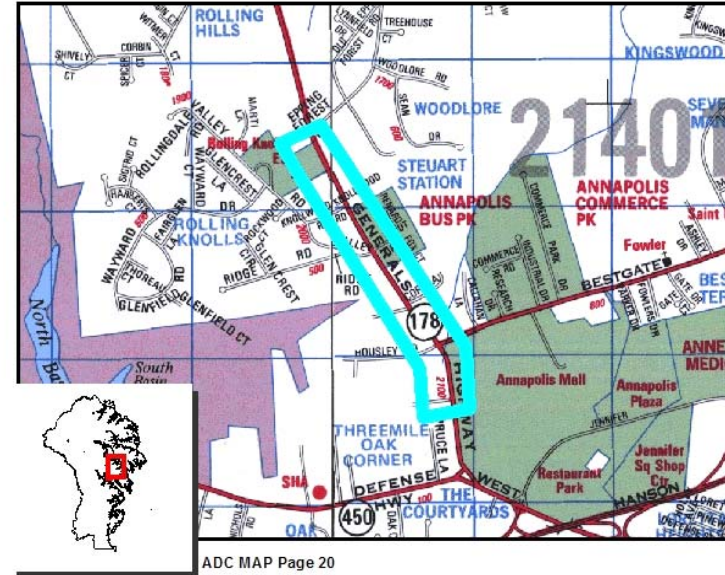
Design and right of way acquisition will be completed as part of the Rolling Knolls Elementary School design effort managed by the Board of Education, and paid for directly from that project (E545500). The construction-related costs are reflected in this project because the Department of Public Works is managing this part of the overall job. The project will be funded thru Board of Education bonds and Wastewater Bonds.

Benefit

The project is necessary to accommodate the construction of a new elementary school. Once connected, conversion of the existing septic system to public sewer will improve wastewater treatment efficiency and will reduce nutrient loading to the environment.

Amendment History

CC removed \$615k via AMD #35 to Bill 36-17.



ADC MAP Page 20

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$561,000	Land	\$261,000	\$561,000	(\$300,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,927,000	Construction	\$2,724,000	\$2,927,000	(\$203,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$269,700	Overhead	\$149,700	\$269,700	(\$120,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,757,700	Total	\$3,134,700	\$3,757,700	(\$623,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$623,000)	\$0	(\$623,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806900 Rolling Knolls ES Sewer Ext

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current status of this project: Active
2. Action taken in Current Fiscal Year: Performance
3. Action required to complete this project: Performance.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2014 \$845,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$2,729,459	\$675,898	\$3,405,357
April 1, 2018	\$3,028,885	\$11,818	\$3,040,703

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$1,235,700	WasteWater Bonds	\$612,700	\$1,235,700	(\$623,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,522,000	Miscellaneous	\$2,522,000	\$2,522,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,757,700	Total	\$3,134,700	\$3,757,700	(\$623,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$623,000)	\$0	(\$623,000)	\$0	\$0	\$0	\$0	\$0	\$0

S807000 Broadwater WRF Headworks

Class: Wastewater

FY2019 Council Approved

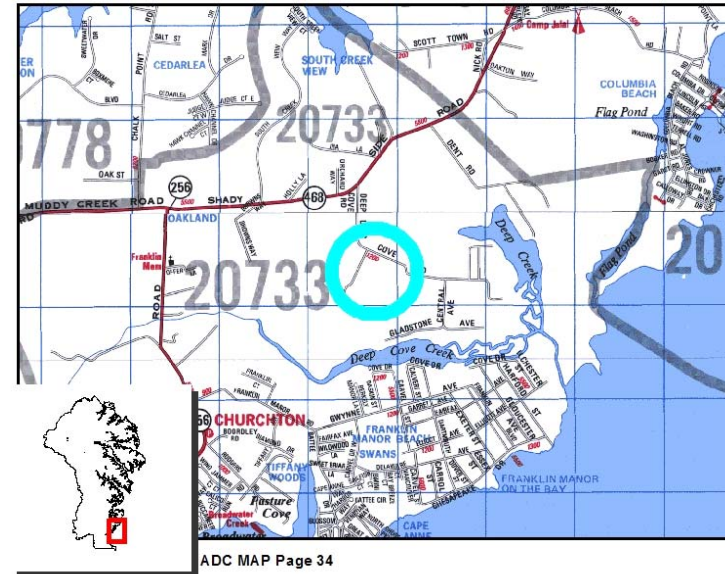
Description

This project includes the planning, design and construction to upgrade the headworks facility at the Broadwater WRF. Project will include structure modifications, installation of new bar screens, conveyors, compactor, associated electrical upgrades and other modifications for code compliance.

Benefit

The existing headworks has reached the end of its useful life and requires replacement. Modifications to the structure and equipment replacement is necessary for solids removal in advance of the treatment process to meet NPDES requirements and improve treatment efficiency.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$367,000	Plans and Engineering	\$367,000	\$367,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$20,000	Land	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,917,000	Construction	\$2,296,000	\$3,917,000	(\$1,621,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$307,000	Overhead	\$134,000	\$307,000	(\$173,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,611,000	Total	\$2,817,000	\$4,611,000	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,794,000)	\$0	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0	\$0

S807000 Broadwater WRF Headworks

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current status of this project: Active
2. Action taken in Current Fiscal Year: Construction
3. Action required to complete this project: Construction & Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2014 \$1,782,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$205,273	\$267	\$205,540
April 1, 2018	\$254,081	\$1,841,239	\$2,095,319

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$4,611,000	WasteWater Bonds	\$2,817,000	\$4,611,000	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,611,000	Total	\$2,817,000	\$4,611,000	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,794,000)	\$0	(\$1,794,000)	\$0	\$0	\$0	\$0	\$0	\$0

S807200 Tanglewood Two Sewer

Class: Wastewater

FY2019 Council Approved

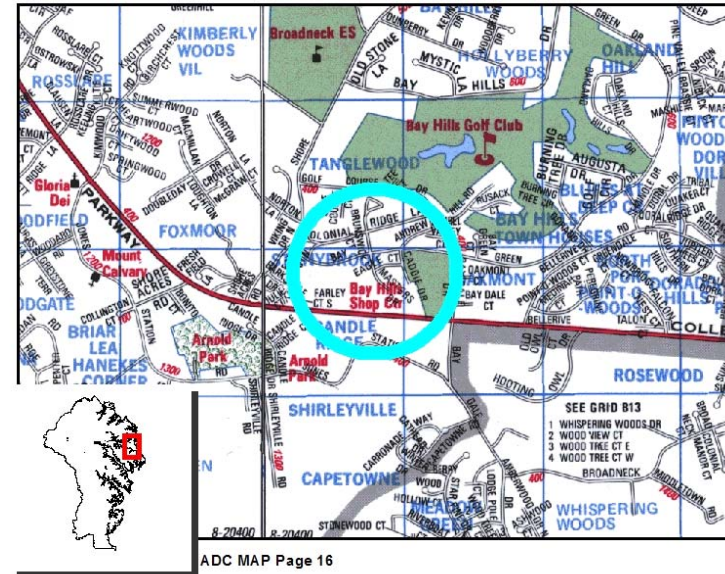
Description

This project provides the design, right-of-way acquisition, and construction for sewer improvements to approximately 72 homes. This project is in response to a valid petition.

Benefit

This project will provide public sewer service to properties served currently by a private wastewater collection system.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,000	Plans and Engineering	\$30,400	\$5,000	\$0	\$25	\$0	\$0	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$523,000	Construction	\$756,000	\$523,000	\$0	\$233	\$0	\$0	\$0	\$0	\$0
\$37,000	Overhead	\$50,600	\$37,000	\$0	\$14	\$0	\$0	\$0	\$0	\$0
\$572,000	Total	\$844,000	\$572,000	\$0	\$272	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$272,000	\$0	\$0	\$272	\$0	\$0	\$0	\$0	\$0

S807200 Tanglewood Two Sewer

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increase in FY20 based on current estimate
3. Change In Scope: None
4. Change In Timing: Construction Deferred to FY20

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2016 \$572,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2017	\$205	\$0	\$205
April 1, 2018	\$205	\$0	\$205

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$572,000	WasteWater Bonds	\$844,000	\$572,000	\$0	\$272	\$0	\$0	\$0	\$0	\$0
\$572,000	Total	\$844,000	\$572,000	\$0	\$272	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$272,000	\$0	\$0	\$272	\$0	\$0	\$0	\$0	\$0

S807300 Annapolis WRF Upgrade

Class: Wastewater

FY2019 Council Approved

Description

The purpose of this project is to design and construct several water reclamation facility improvements including bar screen replacement, material/mechanical upgrades to the primary and secondary clarifiers, site pavement replacement, holding pond liner replacement, and electrical manhole rehabilitation.

Project will also include construction on new Secondary Clarifier as part of the FY23 improvements.

Benefit

The improvements are necessary to ensure continued operation and maintenance of treatment components, to increase efficiency of plant operations, and to maintain roadway infrastructure.

Amendment History

County Council removed \$120k via AMD #85 to Bill 29-15. County Council removed \$20k in FY17 via AMD #113 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$915,000	Plans and Engineering	\$1,765,000	\$915,000	\$0	\$0	\$0	\$850	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,509,000	Construction	\$19,134,000	\$6,509,000	\$0	\$2,300	\$0	\$0	\$10,325	\$0	\$0
\$380,000	Overhead	\$1,043,000	\$380,000	\$0	\$115	\$0	\$43	\$505	\$0	\$0
\$7,811,000	Total	\$21,949,000	\$7,811,000	\$0	\$2,415	\$0	\$893	\$10,830	\$0	\$0
More (Less) Than Prior Year Program:		\$14,138,000	\$0	\$0	\$2,415	\$0	\$893	\$10,830	\$0	\$0

S807300 Annapolis WRF Upgrade

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Design
3. Action Required to Complete This Project: Design, Construction, Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimate from recently completed study
3. Change in Scope: Added new Secondary Clarifier to description
4. Change in Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2016 \$7,811,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$6,095	\$149,505	\$155,600
April 1, 2018	\$200,862	\$17,571	\$218,433

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$7,811,000	WasteWater Bonds	\$21,949,000	\$7,811,000	\$0	\$2,415	\$0	\$893	\$10,830	\$0	\$0
\$7,811,000	Total	\$21,949,000	\$7,811,000	\$0	\$2,415	\$0	\$893	\$10,830	\$0	\$0
More (Less) Than Prior Year Program:		\$14,138,000	\$0	\$0	\$2,415	\$0	\$893	\$10,830	\$0	\$0

S807400 Broadneck Clarifier Rehab

Class: Wastewater

FY2019 Council Approved

Description

This project will repair/replace secondary clarifier equipment that is corroded or obsolete at the Broadneck WRF. The project will improve the clarifier scum handling and replace the sludge collection system with a more efficient mechanism. Finally the project will replace sluice gates to improve operability.

Benefit

This project will replace corroded/obsolete secondary clarifier equipment and enable the treatment plant to improve its reliability and efficiency.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$405,000	Plans and Engineering	\$405,000	\$405,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,905,000	Construction	\$3,905,000	\$0	\$0	\$3,905	\$0	\$0	\$0	\$0	\$0
\$215,000	Overhead	\$215,000	\$20,000	\$0	\$195	\$0	\$0	\$0	\$0	\$0
\$4,525,000	Total	\$4,525,000	\$425,000	\$0	\$4,100	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807400 Broadneck Clarifier Rehab

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current Fiscal Year: Contract Initiation and Design
3. Action Required to Complete: Complete Design, Construction, and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
- Change in Scope: None
3. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2018 \$4,525,000

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$1,001	\$0
		\$1,001

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$4,525,000	WasteWater Bonds	\$4,525,000	\$425,000	\$0	\$4,100	\$0	\$0	\$0	\$0	\$0
\$4,525,000	Total	\$4,525,000	\$425,000	\$0	\$4,100	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807500 Heritage Harbor Swr Takeover

Class: Wastewater

FY2019

Council Approved

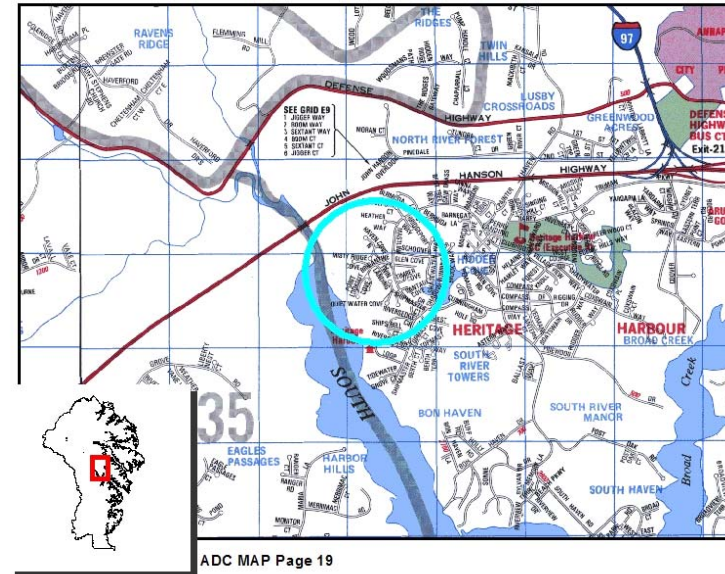
Description

This project is in response to a valid petition project requesting takeover of an existing private collection system. The project will include Design, Right-of-Way acquisition, and construction of sewer improvements to approximately 106 homes.

Benefit

Achieves neighborhood's petition project goal of connecting to County public sewer system. It relieves the burden of sewer maintenance from the community to DPW.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$333,000	Plans and Engineering	\$333,000	\$333,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,000	Land	\$3,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,805,000	Construction	\$1,805,000	\$0	\$1,805,000	\$0	\$0	\$0	\$0	\$0	\$0
\$107,000	Overhead	\$107,000	\$17,000	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,248,000	Total	\$2,248,000	\$353,000	\$1,895,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807500 Heritage Harbor Swr Takeover

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current Fiscal Year: Contract Initiation, and Design
3. Action Required to Complete this Project: Complete Design, Construction, and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2018 \$2,248,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$2,709	\$0	\$2,709

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,248,000	WasteWater Bonds	\$2,248,000	\$353,000	\$1,895,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,248,000	Total	\$2,248,000	\$353,000	\$1,895,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807600 Piney Orchard SPS & FM

Class: Wastewater

FY2019 Council Approved

Description

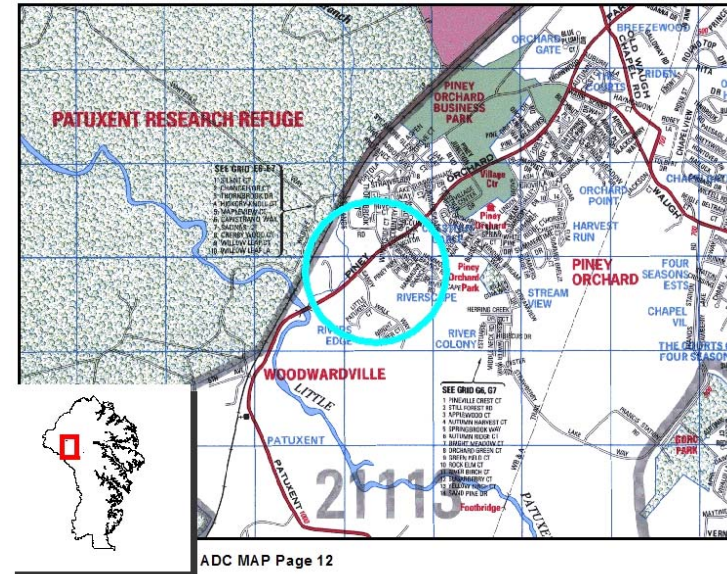
This project provides the design, right-of-way acquisition, and construction for a new sewage pump station and force main to serve the Piney Orchard sewer service area to allow for the elimination of the Piney Orchard Waste Water Treatment Plant. Consideration will also be given to acquisition of the Piney Orchard WWTP, upgrading to ENR and operation of the plant to the County.

Benefit

This project will extend sewer service to an area served currently by a non-County wastewater treatment facility and will consolidate wastewater treatment in the Patuxent and Piney Orchard Sewer Service Areas.

Amendment History

CC removed \$474k via AMD #34 to Bill 37-18.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,854,000	Plans and Engineering	\$2,854,000	\$2,854,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$14,277,000	Construction	\$13,826,000	\$0	\$6,687,000	\$7,139	\$0	\$0	\$0	\$0	\$0
\$857,000	Overhead	\$834,000	\$143,000	\$334,000	\$357	\$0	\$0	\$0	\$0	\$0
\$17,995,000	Total	\$17,521,000	\$3,004,000	\$7,021,000	\$7,496	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$474,000)	\$0	(\$474,000)	\$0	\$0	\$0	\$0	\$0	\$0

S807600 Piney Orchard SPS & FM

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Design, Construction, and Performance

Change from Prior Year

1. Change In Name Or Description: Clarified description by adding last sentence.
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2018 \$17,995,000

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$2,501	\$2,501

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$13,387,000	WasteWater Bonds	\$13,387,000	\$3,004,000	\$5,191,000	\$5,192	\$0	\$0	\$0	\$0	\$0
\$4,608,000	Other State Grants	\$4,134,000	\$0	\$1,830,000	\$2,304	\$0	\$0	\$0	\$0	\$0
\$17,995,000	Total	\$17,521,000	\$3,004,000	\$7,021,000	\$7,496	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$474,000)	\$0	(\$474,000)	\$0	\$0	\$0	\$0	\$0	\$0

S807700 Brock Bridge Road Sewer Repl

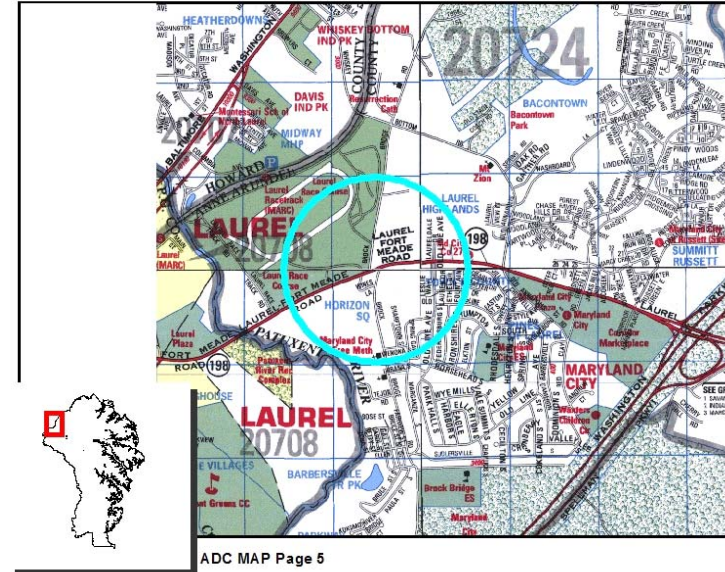
Class: Wastewater

FY2019

Council Approved

Description

Project includes design, bid, and construction of replacement of approximately 1800 LF of gravity sewer main along Brock Bridge Road.



Benefit

The project will increase capacity in the area to meet projected flows.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$189,000	Plans and Engineering	\$189,000	\$189,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,932,000	Construction	\$4,932,000	\$0	\$1,644,000	\$1,644	\$1,644	\$0	\$0	\$0	\$0
\$257,000	Overhead	\$257,000	\$11,000	\$82,000	\$82	\$82	\$0	\$0	\$0	\$0
\$5,403,000	Total	\$5,403,000	\$225,000	\$1,726,000	\$1,726	\$1,726	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807700 Brock Bridge Road Sewer Repl

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: Spelling error fixed in title; "Brock Bridge" not "Brockbride".
2. Change in Total Project Costs: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2018 \$5,403,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$6,665	\$75,659	\$82,324

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$5,403,000	WasteWater Bonds	\$5,403,000	\$225,000	\$1,726,000	\$1,726	\$1,726	\$0	\$0	\$0	\$0
\$5,403,000	Total	\$5,403,000	\$225,000	\$1,726,000	\$1,726	\$1,726	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807800 Forked Creek Sewer Repl

Class: Wastewater

FY2019 Council Approved

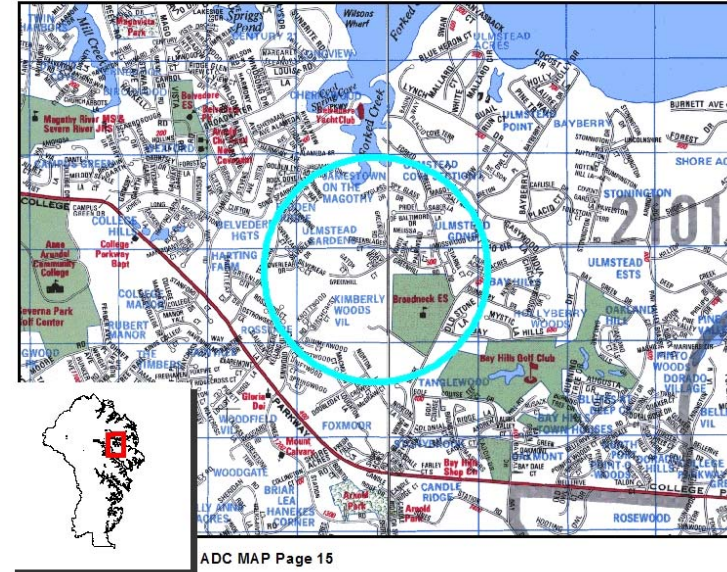
Description

Project is for Design, Bid, and Construction of approximately 4,020 LF of forcemain in the vicinity of Forked Creek. It will replace aging infrastructure at risk of failure due to stream bank conditions.

Benefit

This project will replace aging infrastructure at risk of failure due to stream bank conditions.

Amendment History



ADC MAP Page 15

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$292,000	Plans and Engineering	\$292,000	\$292,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,615,000	Construction	\$2,615,000	\$0	\$2,615,000	\$0	\$0	\$0	\$0	\$0	\$0
\$147,000	Overhead	\$147,000	\$16,000	\$131,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,079,000	Total	\$3,079,000	\$333,000	\$2,746,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807800 Forked Creek Sewer Repl

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Initiate Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Costs: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2018 \$3,079,000

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$212,871	\$44,697
		\$257,568

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,079,000	WasteWater Bonds	\$3,079,000	\$333,000	\$2,746,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,079,000	Total	\$3,079,000	\$333,000	\$2,746,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807900 Crofton Sewer Pumping Station

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Costs: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2018 \$6,167,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$290,815	\$94,783	\$385,599

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$6,167,000	WasteWater Bonds	\$6,167,000	\$477,000	\$0	\$5,690	\$0	\$0	\$0	\$0	\$0
\$6,167,000	Total	\$6,167,000	\$477,000	\$0	\$5,690	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S808000 Cox Creek Grit System Improv.

Class: Wastewater

FY2019

Council Approved

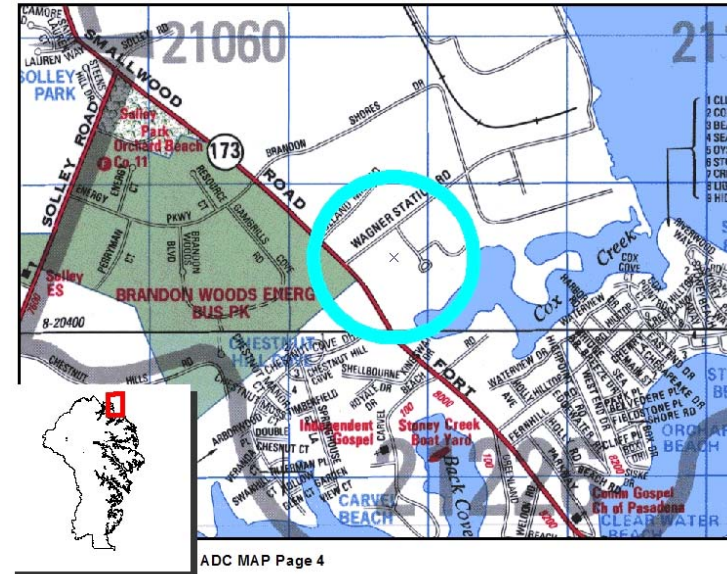
Description

This project will evaluate, design, and construct facilities to address grit handling during high flow events.

Benefit

The existing system of grit collection, classification, and disposal of influent grit loads is inadequate and has resulted in significant impacts to operations and recovery efforts during storms. Grit system alternatives will be studied and the recommended alternative will be implemented.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$742,000	\$0	\$742,000	\$0	\$0	\$0	\$0	\$0	\$0
	Land	\$12,000	\$0	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$6,071,000	\$0	\$0	\$4,000	\$2,071	\$0	\$0	\$0	\$0
	Overhead	\$341,000	\$0	\$38,000	\$200	\$103	\$0	\$0	\$0	\$0
\$0	Total	\$7,166,000	\$0	\$792,000	\$4,200	\$2,174	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$7,166,000	\$0	\$792,000	\$4,200	\$2,174	\$0	\$0	\$0	\$0

S808000 Cox Creek Grit System Improv.

Class: Wastewater

FY2019

Council Approved

Project Status

- 1. Current status of this project: New Project
- 2. Action taken in Current Fiscal Year: New Project
- 3. Action required to complete this project: New Project

Change from Prior Year

- 1. Change in Name or Description: New Project
- 2. Change in Total Project Cost: New Project
- 3. Change in Scope: New Project
- 4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater Bonds	\$7,166,000	\$0	\$792,000	\$4,200	\$2,174	\$0	\$0	\$0	\$0
\$0	Total	\$7,166,000	\$0	\$792,000	\$4,200	\$2,174	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$7,166,000	\$0	\$792,000	\$4,200	\$2,174	\$0	\$0	\$0	\$0

S808100 Cattail Creek FM Replacment

Class: Wastewater

FY2019

Council Approved

Description

This project is for design, right of way acquisition, and construction of the replacement of 17,000 lf of 24" and greater force main (FM) beginning at the Cattail Creek SPS and ending at a gravity manhole in College Parkway. Approximately 10,000 LF of this FM is along the MD Rte 2 Right of Way in Severna Park.

Benefit

This project will replace aging, at-risk infrastructure to increase the reliability of the conveyance system and reduce risks for spills resulting from infrastructure failures.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$1,390,000	\$0	\$1,390,000	\$0	\$0	\$0	\$0	\$0	\$0
	Land	\$127,000	\$0	\$127,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$14,790,000	\$0	\$0	\$4,930	\$4,930	\$4,930	\$0	\$0	\$0
	Overhead	\$814,000	\$0	\$76,000	\$246	\$246	\$246	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$17,121,000	\$0	\$1,593,000	\$5,176	\$5,176	\$5,176	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$17,121,000	\$0	\$1,593,000	\$5,176	\$5,176	\$5,176	\$0	\$0	\$0

S808100 Cattail Creek FM Replacment

Class: Wastewater

FY2019

Council Approved

Project Status

- 1. Current status of this project: New Project
- 2. Action taken in Current Fiscal Year: New Project
- 3. Action required to complete this project: New Project

Change from Prior Year

- 1. Change in Name or Description: New Project
- 2. Change in Total Project Cost: New Project
- 3. Change in Scope: New Project
- 4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater Bonds	\$17,121,000	\$0	\$1,593,000	\$5,176	\$5,176	\$5,176	\$0	\$0	\$0
\$0	Total	\$17,121,000	\$0	\$1,593,000	\$5,176	\$5,176	\$5,176	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$17,121,000	\$0	\$1,593,000	\$5,176	\$5,176	\$5,176	\$0	\$0	\$0

S808200 Grinder Pump Repl/Upgrd Prgm

Class: Wastewater

FY2019

Council Approved

Description

This project is for a multi year sewer infrastructure investigation, rehabilitation and replacement program to ensure the adequacy of the County's Wastewater Collection System. Aging infrastructure and changes to manufacturing and design standards have resulted in some existing low pressure force main areas exhibiting lower overall reliability. Studies of low pressure force main networks are also included in this project where required.

Location

Countywide

Benefit

This project will investigate existing systems and where practicable provide upgrades or replacements as needed to meet current best practices.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$132,000	\$0	\$22,000	\$22	\$22	\$22	\$22	\$22	
	Land	\$24,000	\$0	\$4,000	\$4	\$4	\$4	\$4	\$4	
	Construction	\$2,700,000	\$0	\$450,000	\$450	\$450	\$450	\$450	\$450	
	Overhead	\$144,000	\$0	\$24,000	\$24	\$24	\$24	\$24	\$24	
\$0	Total	\$3,000,000	\$0	\$500,000	\$500	\$500	\$500	\$500	\$500	
	More (Less) Than Prior Year Program:	\$3,000,000	\$0	\$500,000	\$500	\$500	\$500	\$500	\$500	Multi-Yr

S808200 Grinder Pump Repl/Upgrd Prgm

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current status of this project: New Project
2. Action taken in Current Fiscal Year: New Project
3. Action required to complete this project: New Project

Change from Prior Year

1. Change in Name or Description: New Project
2. Change in Total Project Cost: New Project
3. Change in Scope: New Project
4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater PayGo	\$3,000,000	\$0	\$500,000	\$500	\$500	\$500	\$500	\$500	
\$0	Total	\$3,000,000	\$0	\$500,000	\$500	\$500	\$500	\$500	\$500	
More (Less) Than Prior Year Program:		\$3,000,000	\$0	\$500,000	\$500	\$500	\$500	\$500	\$500	Multi-Yr

S808300 Broadwater Ops Bldg Addition

Class: Wastewater

FY2019

Council Approved

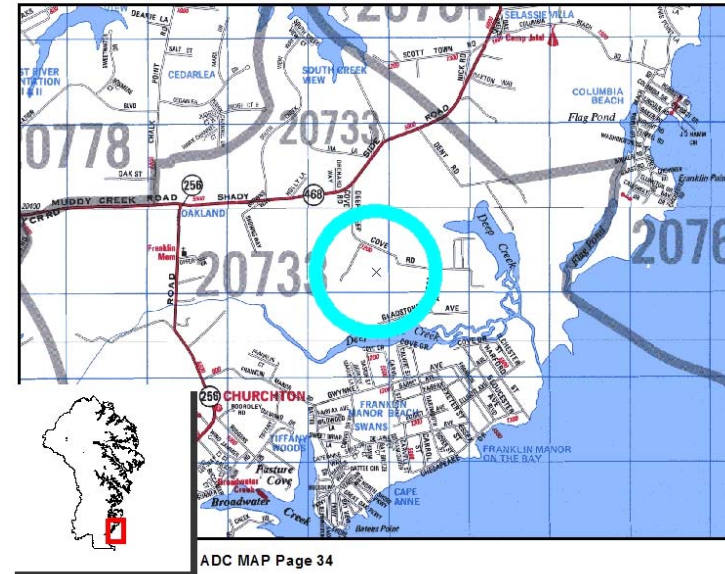
Description

This project is for the design and construction of an addition to an existing building at the Broadwater WRF.

Benefit

The building addition will provide additional office space, locker rooms, and shower facilities to accommodate the transfer of personnel from the decommissioned Mayo WRF. The building will be also be provided with connectivity to the facility process control system to serve as an Operations Building.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$169,000	\$0	\$169,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$1,423,000	\$0	\$1,423,000	\$0	\$0	\$0	\$0	\$0	\$0
	Overhead	\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0
	Furn., Fixtures and Equip.	\$13,000	\$0	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0	\$0

S808300 Broadwater Ops Bldg Addition

Class: Wastewater

FY2019 Council Approved

Project Status

- 1. Current status of this project: New Project
- 2. Action taken in Current Fiscal Year: New Project
- 3. Action required to complete this project: New Project

Change from Prior Year

- 1. Change in Name or Description: New Project
- 2. Change in Total Project Cost: New Project
- 3. Change in Scope: New Project
- 4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater Bonds	\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,685,000	\$0	\$1,685,000	\$0	\$0	\$0	\$0	\$0	\$0

S808400 MD City SPS Upgrade

Class: Wastewater

FY2019

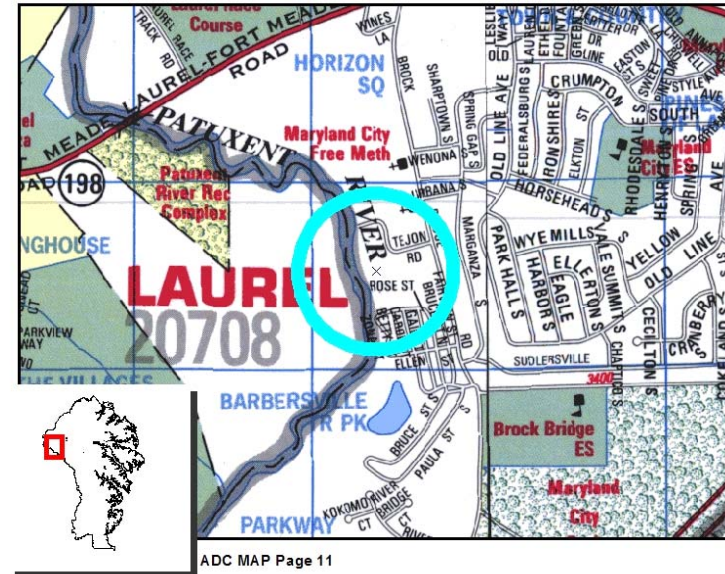
Council Approved

Description

Design and construction to upgrade existing Maryland City SPS to meet current control and operational standards.

Benefit

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$427,000	\$0	\$427,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$3,448,000	\$0	\$0	\$3,448	\$0	\$0	\$0	\$0	\$0
	Overhead	\$194,000	\$0	\$21,000	\$173	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$4,069,000	\$0	\$448,000	\$3,621	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$4,069,000	\$0	\$448,000	\$3,621	\$0	\$0	\$0	\$0	\$0

S808400 MD City SPS Upgrade

Class: Wastewater

FY2019

Council Approved

Project Status

- 1. Current status of this project: New Project
- 2. Action taken in Current Fiscal Year: New Project
- 3. Action required to complete this project: New Project

Change from Prior Year

- 1. Change in Name or Description: New Project
- 2. Change in Total Project Cost: New Project
- 3. Change in Scope: New Project
- 4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$0	\$0	\$0
April 1, 2018	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater Bonds	\$4,069,000	\$0	\$448,000	\$3,621	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$4,069,000	\$0	\$448,000	\$3,621	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$4,069,000	\$0	\$448,000	\$3,621	\$0	\$0	\$0	\$0	\$0

S808500 Edgewater Beach Sewer Ext

Class: Wastewater

FY2019

Council Approved

Description

Funds are requested for the design, right of way acquisition and construction of a sanitary sewer collection system serving the Edgewater Beach Community. This will be extended as part of a petition project.

Benefit

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	Plans and Engineering	\$1,342,000	\$0	\$1,342,000	\$0	\$0	\$0	\$0	\$0	\$0
	Land	\$53,000	\$0	\$0	\$53	\$0	\$0	\$0	\$0	\$0
	Construction	\$14,569,000	\$0	\$0	\$14,569	\$0	\$0	\$0	\$0	\$0
	Overhead	\$798,000	\$0	\$67,000	\$731	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$16,762,000	\$0	\$1,409,000	\$15,353	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$16,762,000	\$0	\$1,409,000	\$15,353	\$0	\$0	\$0	\$0	\$0

S808500 Edgewater Beach Sewer Ext

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current status of this project: New Project
2. Action taken in Current Fiscal Year: New Project
3. Action required to complete this project: New Project

Change from Prior Year

1. Change in Name or Description: New Project
2. Change in Total Project Cost: New Project
3. Change in Scope: New Project
4. Change in Timing: New Project

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

Expended	Encumbered	Total
April 1, 2017	\$0	\$0
April 1, 2018	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
	WasteWater Bonds	\$16,762,000	\$0	\$1,409,000	\$15,353	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$16,762,000	\$0	\$1,409,000	\$15,353	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$16,762,000	\$0	\$1,409,000	\$15,353	\$0	\$0	\$0	\$0	\$0

X738800 Sewer Main Repl/Recon

Class: Wastewater

FY2019

Council Approved

Description

This is a multi year sewer infrastructure investigation, rehabilitation and replacement program to ensure the adequacy of the County's Wastewater Collection System. Numerous complaints of insufficient capacity, basement flooding, stoppages and system interruptions indicate the need to investigate, rehabilitate or replace inadequate mains and service connections. Results of investigations and rehabilitation will require calibration and upgrade of the hydraulic model to accurately reflect system capacity. Additionally, data conversion and automation will be required to graphically display modeled capacity and infrastructure expansion. Studies of the force main network are also included in this project.

Location

Countywide

Benefit

Improves reliability of operation.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Prior approval was increased by \$3,900,000 in Council Bill #31-06. Switched \$6,451,000 of Bonds for PayGo via AMD #51 to Bill 46-13. County Council removed \$1,075,000 via AMD #175, added \$5,395,000 via AMD #194 and added \$4,320,000/year for Fys 17-21 via AMD #206

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$973,550)	Plans and Engineering	(\$1,610,543)	(\$1,610,543)	\$0	\$0	\$0	\$0	\$0	\$0	
\$21,653	Land	\$21,653	\$21,653	\$0	\$0	\$0	\$0	\$0	\$0	
(\$23,190,921)	Construction	(\$25,423,930)	(\$25,423,930)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$1,368,513)	Overhead	(\$1,493,125)	(\$1,493,125)	\$0	\$0	\$0	\$0	\$0	\$0	
\$114,971,922	Other	\$134,324,191	\$77,924,191	\$9,400,000	\$9,400	\$9,400	\$9,400	\$9,400	\$9,400	
\$89,460,592	Total	\$105,818,246	\$49,418,246	\$9,400,000	\$9,400	\$9,400	\$9,400	\$9,400	\$9,400	
More (Less) Than Prior Year Program:		\$16,357,654	(\$3,042,346)	\$2,000,000	\$2,000	\$2,000	\$2,000	\$2,000	\$9,400	Multi-Yr

X738800 Sewer Main Repl/Recon

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Repair/Replace Sewer Main, House Connection, Manhole Frame & Covers.
3. Action Required To Complete This Project: Multi-Year Rehabilitation Project

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased Funding FY 19-23 and Added FY24 Funding Based on Current Need
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 1986 \$1,259,400

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$30,485,347	\$12,608,276	\$43,093,623
April 1, 2018	\$34,239,170	\$10,479,723	\$44,718,893

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$51,648,220	WasteWater Bonds	\$66,105,246	\$29,445,246	\$6,110,000	\$6,110	\$6,110	\$6,110	\$6,110	\$6,110	
\$26,069,372	WasteWater PayGo	\$27,970,000	\$8,230,000	\$3,290,000	\$3,290	\$3,290	\$3,290	\$3,290	\$3,290	
\$11,743,000	Bond Premium	\$11,743,000	\$11,743,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$89,460,592	Total	\$105,818,246	\$49,418,246	\$9,400,000	\$9,400	\$9,400	\$9,400	\$9,400	\$9,400	
More (Less) Than Prior Year Program:		\$16,357,654	(\$3,042,346)	\$2,000,000	\$2,000	\$2,000	\$2,000	\$2,000	\$9,400	Multi-Yr

X741200 WW Service Connections

Class: Wastewater

FY2019

Council Approved

Description

This project consists of installing service connections and meters to existing water and sewer mains for which service laterals were not originally constructed as part of the capital budget program. This project is also used for new meter installations.

Connections made for water service are installed under project number (X-7424) and connections made for sewer service are installed under project number (X-7412). All services are installed under contracts administered by the Department of Public Works.

This project was previously funded by user connection charges. Beginning in FY2004, user connection fees were no longer deposited in the Utility Debt Service Fund and then transferred to this project as a funding source. Instead, these fees are now deposited in the Utility Operating Fund and this project is funded with Utility PayGo.

Location

Countywide

Benefit

This project will furnish service for in-fill lots as well as permit on-property connections required by court order.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Removed \$1,000,000 via AMD #21 to Bill 23-14. Removed \$1,600,000 via AMD #27 to Bill 23-14. CC removed \$400,000 via AMD #56 to Bill 31-16. CC removed \$800k via AMD #36 to Bill 36-17. CC removed \$340k via AMD #76 to Bill 37-18.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$10,716,338	Other	\$11,976,338	\$2,716,338	\$1,260,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
\$10,716,338	Total	\$11,976,338	\$2,716,338	\$1,260,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
More (Less) Than Prior Year Program:		\$1,260,000	\$0	(\$340,000)	\$0	\$0	\$0	\$0	\$1,600	Multi-Yr

X741200 WW Service Connections

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: Clarified description and added wording to indicate this project will be used for new meter installations.
2. Change In Total Project Cost: Added FY24 funding
3. Change In Scope: Project will be used for new meter installations.
4. Change In Timing: None

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 1986 \$8,919,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2017	\$1,000,805	\$405,195	\$1,406,000
April 1, 2018	\$1,835,001	\$331,336	\$2,166,337

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$861,259	Water Bonds	\$861,259	\$861,259	\$0	\$0	\$0	\$0	\$0	\$0	
\$605,081	WasteWater Bonds	\$605,081	\$605,081	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,625,000	WasteWater PayGo	\$5,255,000	\$625,000	\$630,000	\$800	\$800	\$800	\$800	\$800	
\$4,625,000	Water PayGo	\$5,255,000	\$625,000	\$630,000	\$800	\$800	\$800	\$800	\$800	
(\$3)	User Connections	(\$3)	(\$3)	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,716,338	Total	\$11,976,338	\$2,716,338	\$1,260,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
More (Less) Than Prior Year Program:		\$1,260,000	\$0	(\$340,000)	\$0	\$0	\$0	\$0	\$1,600	Multi-Yr

X749000 Agreements W/Developers

Class: Wastewater

FY2019

Council Approved

Description

Funds have been approved to provide the county with the capability to design and construct various additions to the sewer and water infrastructure system as requested by private developers for the purpose of making county sewer and water facilities accessible to their proposed developments. These funds will also be used for the acquisition of water and sewer rights-of-way. All work done is fully reimbursed by the developer.

Location

Countywide

Benefit

This project will allow the county to use security posted by the developer to construct any sewer and water facilities when the developer has failed to build them as agreed.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$0	Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$0	Overhead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,998,635	Other	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,998,635	Total	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

X749000 Agreements W/Developers

Class: Wastewater

FY2019

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 1988 \$11,820,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$45,401	\$5,033	\$50,434
April 1, 2018	\$141,331	\$111,327	\$252,658

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$2,998,635	Developer Contribution	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,998,635	Total	\$2,998,635	\$2,998,635	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

X764200 WW Project Planning

Class: Wastewater

FY2019 Council Approved

Description

Funds have been approved for preliminary planning, engineering and cost estimating for proposed future Capital Sewer Projects. This is a revolving fund that will be reimbursed as the future capital projects are established and funded in the Capital Budget.

Location

Countywide

Benefit

Provides for future planning of contemplated projects.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. CC removed \$233k via AMD #42 to Bill 37-18.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$569,133)	Plans and Engineering	(\$569,133)	(\$569,133)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$59,749)	Overhead	(\$59,749)	(\$59,749)	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,244,157	Other	\$13,347,157	\$4,244,157	\$2,434,000	\$2,667	\$2,667	\$445	\$445	\$445	
\$3,615,275	Total	\$12,718,275	\$3,615,275	\$2,434,000	\$2,667	\$2,667	\$445	\$445	\$445	
More (Less) Than Prior Year Program:		\$9,103,000	\$0	\$2,434,000	\$2,667	\$2,667	\$445	\$445	\$445	Multi-Yr

X764200 WW Project Planning

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Completed Cattail Creek Rt 2 FM repair study, Piney Orchard SPS and FM study, Minor System Takeover Study, and Renewable Energy Study.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increase funding request for FY19-22 based current estimates for OSDS Strategic Planner and Groundwater Injection Program. Increases FY 23 and Added FY 24 request based on current estimates.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1993 \$400,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$400,058	\$621,815	\$1,021,874
April 1, 2018	\$852,854	\$417,061	\$1,269,915

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,615,275	WasteWater PayGo	\$12,571,275	\$3,615,275	\$2,287,000	\$2,667	\$2,667	\$445	\$445	\$445	
	Other State Grants	\$147,000	\$0	\$147,000	\$0	\$0	\$0	\$0	\$0	
\$3,615,275	Total	\$12,718,275	\$3,615,275	\$2,434,000	\$2,667	\$2,667	\$445	\$445	\$445	
More (Less) Than Prior Year Program:		\$9,103,000	\$0	\$2,434,000	\$2,667	\$2,667	\$445	\$445	\$445	Multi-Yr

X800000 State Hwy Reloc-Sewer

Class: Wastewater

FY2019

Council Approved

Description

This project is programmed for replacement and/or relocation of existing County Wastewater Infrastructure and Water Infrastructure which are required because of state highway construction.

Location

Countywide

Benefit

As construction begins on sections of new state highways, existing county water and wastewater facilities in these areas may require relocation due to conflicts in grade or alignment. In cases where the State Highway Administration has prior rights, the financial responsibility for this work must be borne by the County.

Amendment History

County Council deleted the FY2007 request of \$200,000 via amendment #42 to Bill 35-06. Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$200k via AMD #89 to Bill 29-15. CC removed \$75k via AMD #44 to Bill 37-18.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$29,636)	Plans and Engineering	(\$29,636)	(\$29,636)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$86,193)	Construction	(\$86,193)	(\$86,193)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$6,435)	Overhead	(\$6,435)	(\$6,435)	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,615,341	Other	\$4,040,341	\$2,615,341	\$425,000	\$200	\$200	\$200	\$200	\$200	
\$3,493,077	Total	\$3,918,077	\$2,493,077	\$425,000	\$200	\$200	\$200	\$200	\$200	
More (Less) Than Prior Year Program:		\$425,000	\$0	\$225,000	\$0	\$0	\$0	\$0	\$200	Multi-Yr

X800000 State Hwy Reloc-Sewer

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design water infrastructure relocation along MD 175.
3. Action Required To Complete This Project: Multi-year Project

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased based on current estimate, Added FY24 Funding
3. Change In Scope: Multi-year Project
4. Change In Timing: Multi-year Project

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1993 \$600,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2017	\$217,312	\$57,007	\$274,319
April 1, 2018	\$257,149	\$26,877	\$284,026

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$0	Water Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$0	WasteWater Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,493,077	WasteWater PayGo	\$3,918,077	\$2,493,077	\$425,000	\$200	\$200	\$200	\$200	\$200	
\$0	Water PayGo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,493,077	Total	\$3,918,077	\$2,493,077	\$425,000	\$200	\$200	\$200	\$200	\$200	
More (Less) Than Prior Year Program:		\$425,000	\$0	\$225,000	\$0	\$0	\$0	\$0	\$200	Multi-Yr

Z533200 Routine Sewer Extensions

Class: Wastewater

FY2019 Council Approved

Description

Funds are approved and programmed to design extensions, provide for land acquisition, and construct minor extensions to the existing sewer system, as petitioned by residents or determined necessary as an integral requirement of CIP road improvements that accommodate the road design and/or avoids future excavation of the new road infrastructure. This project also enables the county to respond to emergency situations mandated by the State Health Department and/or the Maryland Department of the Environment. Construction of major extensions (those estimated to cost more than \$250,000) are programmed and budgeted as separate capital projects.

Location

Countywide

Benefit

Provides for orderly service expansion.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$400k via AMD #88 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
(\$161,904)	Plans and Engineering	(\$250,760)	(\$250,760)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$4,900)	Land	(\$4,900)	(\$4,900)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$299,276)	Construction	(\$299,276)	(\$299,276)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$28,929)	Overhead	(\$32,524)	(\$32,524)	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,824,145	Other	\$3,574,145	\$1,824,145	(\$250,000)	\$400	\$400	\$400	\$400	\$400	
\$3,329,136	Total	\$2,986,685	\$1,236,685	(\$250,000)	\$400	\$400	\$400	\$400	\$400	
More (Less) Than Prior Year Program:		(\$342,452)	(\$92,452)	(\$650,000)	\$0	\$0	\$0	\$0	\$400	Multi-Yr

Z533200 Routine Sewer Extensions

Class: Wastewater

FY2019 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design Laurel Valley Sewer, Heritage Harbor Sewer Takeover, and Point Field Landing WW Extension. Ohio Ave Sewer Extension in Performance.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decreased FY19 based on available balance, Added FY24 Funding.
3. Change In Scope: Multi-Year
4. Change In Timing: Multi-Year

Estimated Operating Budget Impact: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 1976 \$94,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2017	\$336,627	\$68,226	\$404,854
April 1, 2018	\$257,454	\$64,091	\$321,545

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2019	Capital Program (\$000)					Beyond 6 Years
					FY2020	FY2021	FY2022	FY2023	FY2024	
\$3,329,136	WasteWater Bonds	\$2,986,685	\$1,236,685	(\$250,000)	\$400	\$400	\$400	\$400	\$400	
\$3,329,136	Total	\$2,986,685	\$1,236,685	(\$250,000)	\$400	\$400	\$400	\$400	\$400	
More (Less) Than Prior Year Program:		(\$342,452)	(\$92,452)	(\$650,000)	\$0	\$0	\$0	\$0	\$400	Multi-Yr

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