

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Project Class Wastewater									
S647500	Balto. County Sewer Agreement	\$22,604,800	\$21,604,800	\$0	\$1,000,000	\$0	\$0	\$0	\$0
S769700	Mayo WRF Expans	\$60,572,000	\$54,072,000	\$6,500,000	\$0	\$0	\$0	\$0	\$0
S776700	Wastewater Strategic Plan	\$4,400,000	\$3,650,000	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
S791800	Upgr/Retrofit SPS	\$57,403,127	\$28,753,127	\$4,775,000	\$4,775,000	\$4,775,000	\$4,775,000	\$4,775,000	\$4,775,000
S792700	Fac Abandonment WW2	\$1,349,929	\$846,929	\$0	\$503,000	\$0	\$0	\$0	\$0
S797800	Furnace Brn Swr Repl	\$104,000	\$754,000	(\$650,000)	\$0	\$0	\$0	\$0	\$0
S797900	Broadneck WRF Upgrd	\$17,986,000	\$12,386,000	\$424,000	\$5,176,000	\$0	\$0	\$0	\$0
S799200	Mayo Collection Sys Upgrade	\$11,240,393	\$8,240,393	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
S802300	WRF Infrastr Up/Retro	\$10,363,681	\$4,363,681	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
S802500	Grease/Grit Facility	\$6,198,000	\$4,068,000	\$2,130,000	\$0	\$0	\$0	\$0	\$0
S802900	Annapolis WRF ENR	\$21,124,945	\$20,624,945	\$500,000	\$0	\$0	\$0	\$0	\$0
S803700	Broadwater WRF ENR	\$19,159,950	\$16,659,950	\$2,500,000	\$0	\$0	\$0	\$0	\$0
S803800	Sylvan Shores WW Collect Sys	\$3,592,000	\$3,777,000	(\$185,000)	\$0	\$0	\$0	\$0	\$0
S804000	Sylvan Shores PS Upg	\$3,718,000	\$3,899,000	(\$181,000)	\$0	\$0	\$0	\$0	\$0
S804100	Patuxent WRF ENR	\$13,300,000	\$13,800,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0
S804400	Balto City Sewer Agrmnt	\$5,735,000	\$3,635,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0
S805400	Marley SPS Upgrade	\$4,329,000	\$4,229,000	\$100,000	\$0	\$0	\$0	\$0	\$0
S805900	Odenton Town Cntr Sewr	\$13,857,000	\$13,657,000	\$200,000	\$0	\$0	\$0	\$0	\$0
S806100	Cox Creek WRF Non-ENR	\$25,638,000	\$25,998,000	(\$360,000)	\$0	\$0	\$0	\$0	\$0
S806200	SPS Fac Gen Replace	\$44,809,000	\$25,434,000	\$0	\$3,875,000	\$3,875,000	\$3,875,000	\$3,875,000	\$3,875,000
S806300	Big Cypress SPS Retro	\$2,891,000	\$3,756,000	(\$865,000)	\$0	\$0	\$0	\$0	\$0
S806500	Patuxent WRF Exp	\$63,704,000	\$63,274,000	\$430,000	\$0	\$0	\$0	\$0	\$0
S806900	Rolling Knolls ES Sewer Ext	\$4,372,700	\$3,448,700	\$924,000	\$0	\$0	\$0	\$0	\$0
S807000	Broadwater WRF Headworks	\$4,611,000	\$3,611,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0
S807300	Annapolis WRF Upgrade	\$7,811,000	\$972,000	\$6,839,000	\$0	\$0	\$0	\$0	\$0
X738800	Sewer Main Repl/Recon	\$79,434,537	\$47,034,537	\$5,400,000	\$5,400,000	\$5,400,000	\$5,400,000	\$5,400,000	\$5,400,000
X741200	WW Service Connections	\$10,681,641	\$2,231,641	\$450,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000
X800000	State Hwy Reloc-Sewer	\$3,420,063	\$920,063	\$1,500,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Z533200	Routine Sewer Extensions	\$3,447,237	\$1,447,237	\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
S741300	Chg Against WW Clsd Projects	\$640,348	\$640,348	\$0	\$0	\$0	\$0	\$0	\$0
S777200	Central Sanitation Facility	\$22,256,000	\$22,256,000	\$0	\$0	\$0	\$0	\$0	\$0
S783700	Marley-Jumpers Swr Rehab	\$9,260,000	\$9,260,000	\$0	\$0	\$0	\$0	\$0	\$0
S792900	Cayuga Farms PS & FM	\$12,905,000	\$12,905,000	\$0	\$0	\$0	\$0	\$0	\$0
S798100	Wastewater Scada Upg	\$6,225,000	\$6,225,000	\$0	\$0	\$0	\$0	\$0	\$0
S799000	Ridgeview SPS & FM	\$9,086,000	\$9,086,000	\$0	\$0	\$0	\$0	\$0	\$0
S800100	Riva Road Force Main	\$3,138,000	\$3,138,000	\$0	\$0	\$0	\$0	\$0	\$0
S800600	Dewatering Facilities	\$46,433,000	\$46,433,000	\$0	\$0	\$0	\$0	\$0	\$0
S800700	Regional Sludge Facility	\$984,500	\$984,500	\$0	\$0	\$0	\$0	\$0	\$0
S802200	Cox Creek WRF ENR	\$140,863,000	\$140,863,000	\$0	\$0	\$0	\$0	\$0	\$0
S802700	WRF Effluent Wells	\$202,000	\$202,000	\$0	\$0	\$0	\$0	\$0	\$0
S802800	Sewer Proj Mgmt	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
S803000	Maryland City WRF ENR	\$9,536,000	\$9,536,000	\$0	\$0	\$0	\$0	\$0	\$0
S803100	Broadneck WRF ENR	\$25,775,000	\$25,775,000	\$0	\$0	\$0	\$0	\$0	\$0
S804200	Riva Woods PS Upg	\$1,180,500	\$1,180,500	\$0	\$0	\$0	\$0	\$0	\$0
S804300	Jennifer Road PS Upg	\$10,140,000	\$10,140,000	\$0	\$0	\$0	\$0	\$0	\$0
S804500	Pasadena ES Sewer	\$1,682,000	\$1,682,000	\$0	\$0	\$0	\$0	\$0	\$0
S804600	WW System Security	\$2,160,000	\$2,160,000	\$0	\$0	\$0	\$0	\$0	\$0
S804700	Mill Creek SPS Upg	\$11,377,000	\$11,377,000	\$0	\$0	\$0	\$0	\$0	\$0
S804900	Parole SPS Upgrade	\$4,737,000	\$4,737,000	\$0	\$0	\$0	\$0	\$0	\$0
S805200	Rivieria Beach SPS Mods	\$3,638,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0	\$0
S805300	Cinder Cove SPS Mods	\$10,564,000	\$10,765,000	(\$201,000)	\$0	\$0	\$0	\$0	\$0
S806000	Chesapeake Bch WWTP	\$2,166,000	\$2,166,000	\$0	\$0	\$0	\$0	\$0	\$0
S806600	Maryland City WRF Exp	\$47,752,600	\$47,752,600	\$0	\$0	\$0	\$0	\$0	\$0
S806700	Cinder Cove FM Rehab	\$12,499,000	\$12,499,000	\$0	\$0	\$0	\$0	\$0	\$0
S806800	Parkway Ind Park Sewer Rehab	\$438,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0
S807200	Tanglewood Two Sewer	\$572,000	\$572,000	\$0	\$0	\$0	\$0	\$0	\$0
X749000	Agreements W/Developers	\$3,165,376	\$3,165,376	\$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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
X764200	WW Project Planning	\$3,921,331	\$3,921,331	\$0	\$0	\$0	\$0	\$0	\$0
Total Wastewater		\$933,154,657	\$802,645,657	\$34,330,000	\$24,579,000	\$17,900,000	\$17,900,000	\$17,900,000	\$17,900,000

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Funding Detail

Council Approved

Project	Project Title	Total	Prior	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Project Class Wastewater									
Bonds									
	Water Bonds	\$1,239,693	\$1,239,693	\$0	\$0	\$0	\$0	\$0	\$0
	WasteWater Bonds	\$657,064,624	\$581,955,624	\$14,273,000	\$16,308,000	\$11,132,000	\$11,132,000	\$11,132,000	\$11,132,000
	Conversion County Bnd	\$23,458,148	\$23,458,148	\$0	\$0	\$0	\$0	\$0	\$0
	Bonds	\$681,762,466	\$606,653,466	\$14,273,000	\$16,308,000	\$11,132,000	\$11,132,000	\$11,132,000	\$11,132,000
PayGo									
	WasteWater PayGo	\$81,050,190	\$42,227,190	\$7,480,000	\$7,471,000	\$5,968,000	\$5,968,000	\$5,968,000	\$5,968,000
	Water PayGo	\$4,225,000	\$0	\$225,000	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000
	Conv. PayGo Enterpris	\$905,679	\$905,679	\$0	\$0	\$0	\$0	\$0	\$0
	PayGo	\$86,180,869	\$43,132,869	\$7,705,000	\$8,271,000	\$6,768,000	\$6,768,000	\$6,768,000	\$6,768,000
Grants & Aid									
	Other State Grants	\$133,394,950	\$133,394,950	\$0	\$0	\$0	\$0	\$0	\$0
	Grants & Aid	\$133,394,950	\$133,394,950	\$0	\$0	\$0	\$0	\$0	\$0
Other									
	Developer Contribution	\$3,165,376	\$3,165,376	\$0	\$0	\$0	\$0	\$0	\$0
	Miscellaneous	\$6,899,000	\$6,899,000	\$0	\$0	\$0	\$0	\$0	\$0
	Project Reimbursement	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
	Bond Premium	\$19,752,000	\$7,400,000	\$12,352,000	\$0	\$0	\$0	\$0	\$0
	User Connections	(\$3)	(\$3)	\$0	\$0	\$0	\$0	\$0	\$0
	Other	\$31,816,373	\$19,464,373	\$12,352,000	\$0	\$0	\$0	\$0	\$0
	Wastewater	\$933,154,657	\$802,645,657	\$34,330,000	\$24,579,000	\$17,900,000	\$17,900,000	\$17,900,000	\$17,900,000

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S647500 Balto. County Sewer Agreement

Class: Wastewater

FY2017

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: Truck Scales, Chlorination/Dechlorination Facility Improvements, Oxygen Plant Upgrade, Low Level Sewer Facility Improvements, Lab and Maintenance Shop Improvements, Chlorination/Dechlorination Control Systems, Odor Control, Additional Land Acquisition, primary settling tanks, reactor renovations, and sludge process facilities. Funds requested in FY05 - FY10 are the County's share to design and construct BNR improvements at Patapsco WWTP.

Benefit

Compliance with Agreement with Baltimore County.

Amendment History

Removed \$3,400,000 via AMD #40 to Bill 46-13.

Location

Countywide

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$523,200	Plans and Engineering	\$523,200	\$523,200	\$0	\$0	\$0	\$0	\$0	\$0	
\$11,036,700	Construction	\$8,500,700	\$8,500,700	\$0	\$0	\$0	\$0	\$0	\$0	
\$343,000	Overhead	\$343,000	\$343,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$9,701,900	Other	\$13,237,900	\$12,237,900	\$0	\$1,000	\$0	\$0	\$0	\$0	
\$21,604,800	Total	\$22,604,800	\$21,604,800	\$0	\$1,000	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	Multi-Yr

S647500 Balto. County Sewer Agreement

Class: Wastewater

FY2017 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: Programmed FY18 funding based on anticipated billing(s).
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, 2015	\$17,814,827	\$36,849	\$17,851,676
April 1, 2016	\$18,518,894	\$220,441	\$18,739,335

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$17,979,800	WasteWater Bonds	\$9,497,000	\$9,497,000	\$0	\$0	\$0	\$0	\$0	\$0	
	Conversion County Bnd	\$8,482,800	\$8,482,800	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,625,000	WasteWater PayGo	\$4,625,000	\$3,625,000	\$0	\$1,000	\$0	\$0	\$0	\$0	
\$21,604,800	Total	\$22,604,800	\$21,604,800	\$0	\$1,000	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	Multi-Yr

S769700 Mayo WRF Expans

Class: Wastewater

FY2017 Council Approved

Description

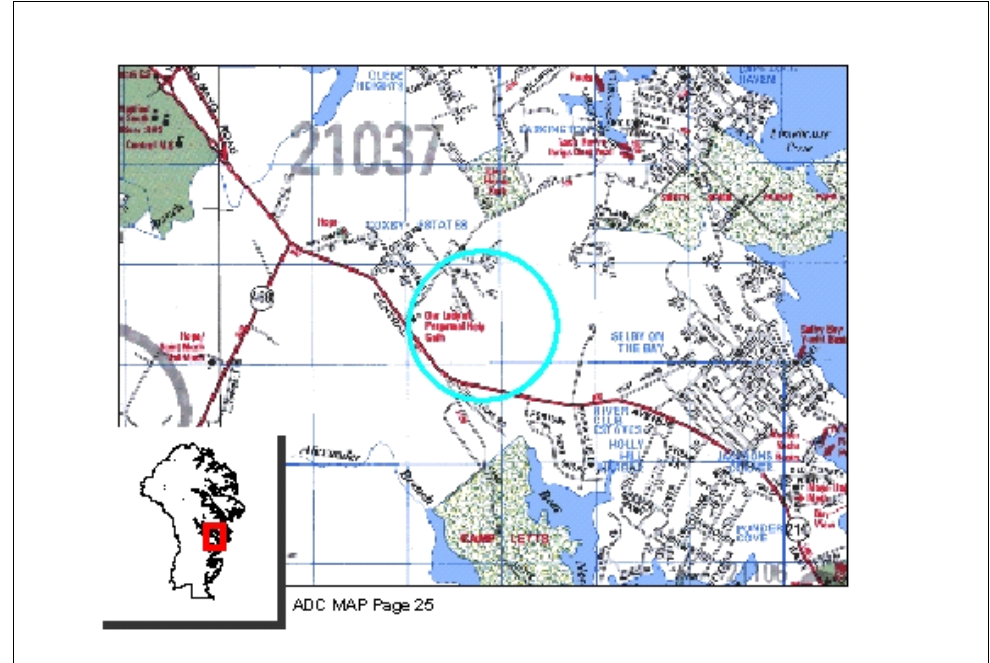
This project is to design, acquire right of ways and construct a forcemain from the Mayo WRF site to the Annapolis WRF; construct upgrades to the Mayo Influent SPS and the Glebe Heights SPS; and a new forcemain from Glebe Heights SPS to the Mayo Influent SPS. When completed wastewater will be treated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

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



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$5,752,000	Plans and Engineering	\$6,727,000	\$5,752,000	\$975,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,114,000	Land	\$1,214,000	\$1,114,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
\$44,729,000	Construction	\$49,699,000	\$44,729,000	\$4,970,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,477,000	Overhead	\$2,932,000	\$2,477,000	\$455,000	\$0	\$0	\$0	\$0	\$0	\$0
\$54,072,000	Total	\$60,572,000	\$54,072,000	\$6,500,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$6,500,000	\$0	\$6,500,000	\$0	\$0	\$0	\$0	\$0	\$0

S769700 Mayo WRF Expans

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance of Phase I Upgrades. Construction of Mayo-to-Annapolis force main contracts.
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: None.
2. Change In Total Project Cost: Cost increase based on current estimates.
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, 2015	\$18,983,613	\$1,397,170	\$20,380,783
April 1, 2016	\$25,584,404	\$22,890,911	\$48,475,315

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$41,762,000	WasteWater Bonds	\$37,980,000	\$31,480,000	\$6,500,000	\$0	\$0	\$0	\$0	\$0	\$0
	Conversion County Bnd	\$10,282,000	\$10,282,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$555,000	WasteWater PayGo	\$555,000	\$555,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,360,000	Other State Grants	\$8,360,000	\$8,360,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Miscellaneous	\$3,395,000	\$3,395,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$50,677,000	Total	\$60,572,000	\$54,072,000	\$6,500,000	\$0	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$6,500,000	\$0	\$6,500,000	\$0	\$0	\$0	\$0	\$0	\$0

S776700 Wastewater Strategic Plan

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,209,300	Plans and Engineering	\$4,211,800	\$3,501,800	\$0	\$142	\$142	\$142	\$142	\$142	
\$190,700	Overhead	\$188,200	\$148,200	\$0	\$8	\$8	\$8	\$8	\$8	
\$4,400,000	Total	\$4,400,000	\$3,650,000	\$0	\$150	\$150	\$150	\$150	\$150	
More (Less) Than Prior Year Program:		\$0	\$0	(\$150,000)	\$0	\$0	\$0	\$0	\$150	Multi-Yr

S776700 Wastewater Strategic Plan

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Completed the Sewer Strategic Plan.
3. Action Required To Complete This Project: 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: Deferred FY17 request based on available balance, and added FY22 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, 2015	\$2,425,145	\$0	\$2,425,145
April 1, 2016	\$2,425,145	\$0	\$2,425,145

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,400,000	WasteWater PayGo	\$3,600,000	\$2,850,000	\$0	\$150	\$150	\$150	\$150	\$150	
	Conv. PayGo Enterpris	\$800,000	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,400,000	Total	\$4,400,000	\$3,650,000	\$0	\$150	\$150	\$150	\$150	\$150	
More (Less) Than Prior Year Program:		\$0	\$0	(\$150,000)	\$0	\$0	\$0	\$0	\$150	Multi-Yr

S791800 Upgr/Retrofit SPS

Class: Wastewater

FY2017 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: Added FY22 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, 2015	\$11,545,377	\$9,958,438	\$21,503,815
April 1, 2016	\$10,721,538	\$12,103,657	\$22,825,195

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$37,229,578	WasteWater Bonds	\$41,049,578	\$18,129,578	\$3,820,000	\$3,820	\$3,820	\$3,820	\$3,820	\$3,820	
\$16,408,331	WasteWater PayGo	\$13,103,549	\$7,373,549	\$955,000	\$955	\$955	\$955	\$955	\$955	
\$3,250,000	Bond Premium	\$3,250,000	\$3,250,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$56,887,909	Total	\$57,403,127	\$28,753,127	\$4,775,000	\$4,775	\$4,775	\$4,775	\$4,775	\$4,775	
More (Less) Than Prior Year Program:		\$515,218	(\$4,259,782)	\$0	\$0	\$0	\$0	\$0	\$4,775	Multi-Yr

S792700 Fac Abandonment WW2

Class: Wastewater

FY2017 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: None
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, 2015	\$413,625	\$26,482	\$440,108
April 1, 2016	\$88,367	\$10,539	\$98,907

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,700,602	WasteWater PayGo	\$1,349,929	\$846,929	\$0	\$503	\$0	\$0	\$0	\$0	\$0
\$1,700,602	Total	\$1,349,929	\$846,929	\$0	\$503	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$350,673)	(\$350,673)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

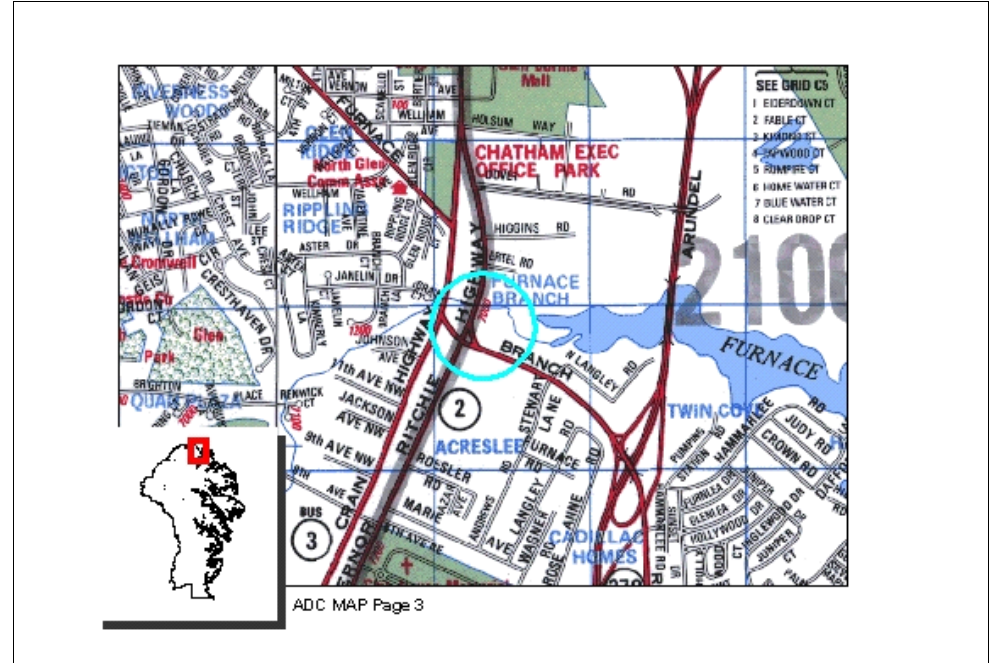
S797800 Furnace Brn Swr Repl

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$48,000	Plans and Engineering	\$48,000	\$48,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$49,000	Land	\$0	\$49,000	(\$49,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$621,000	Construction	\$20,000	\$621,000	(\$601,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$36,000	Overhead	\$36,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$754,000	Total	\$104,000	\$754,000	(\$650,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$650,000)	\$0	(\$650,000)	\$0	\$0	\$0	\$0	\$0	\$0

S797800 Furnace Brn Swr Repl

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Right-of-Way Investigation
3. Action Required To Complete This Project: Complete Right-of-Way Acquisition, 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: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2000 \$504,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$47,836	\$0	\$47,836
April 1, 2016	\$48,675	\$0	\$48,675

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$754,000	WasteWater Bonds	\$104,000	\$754,000	(\$650,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$754,000	Total	\$104,000	\$754,000	(\$650,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$650,000)	\$0	(\$650,000)	\$0	\$0	\$0	\$0	\$0	\$0

S797900 Broadneck WRF Upgrd

Class: Wastewater

FY2017 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.

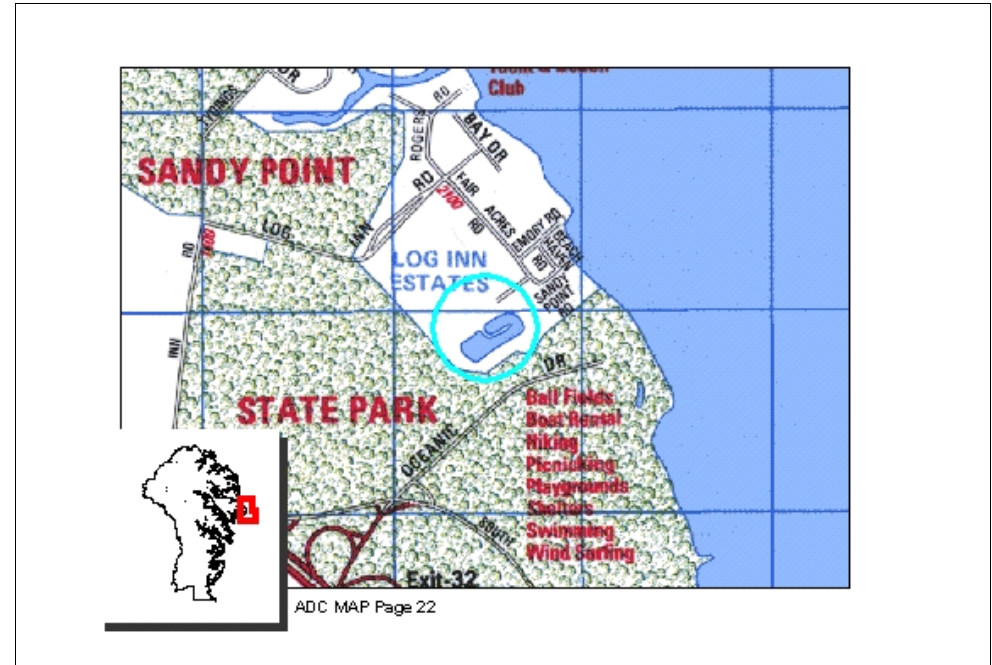
Project description amended in FY16 to upgrade the grit-removal system, to construct hydraulic improvements, and to relocate the influent flow-measuring device.

Benefit

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

Amendment History

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



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$646,000	Plans and Engineering	\$646,000	\$646,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$300,000	Land	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$16,146,000	Construction	\$16,146,000	\$10,816,000	\$400,000	\$4,930	\$0	\$0	\$0	\$0	\$0
\$894,000	Overhead	\$894,000	\$624,000	\$24,000	\$246	\$0	\$0	\$0	\$0	\$0
\$17,986,000	Total	\$17,986,000	\$12,386,000	\$424,000	\$5,176	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	(\$5,176,000)	\$5,176	\$0	\$0	\$0	\$0	\$0

S797900 Broadneck WRF Upgrd

Class: Wastewater

FY2017 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: None
3. Change In Scope: None
4. Change In Timing: Deferred Partial Construction to FY18

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, 2015	\$8,607,908	\$161,857	\$8,769,764
April 1, 2016	\$8,609,101	\$0	\$8,609,101

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$17,986,000	WasteWater Bonds	\$17,986,000	\$12,386,000	\$424,000	\$5,176	\$0	\$0	\$0	\$0	\$0
\$17,986,000	Total	\$17,986,000	\$12,386,000	\$424,000	\$5,176	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	(\$5,176,000)	\$5,176	\$0	\$0	\$0	\$0	\$0

S799200 Mayo Collection Sys Upgrade

Class: Wastewater

FY2017 Council Approved

Description

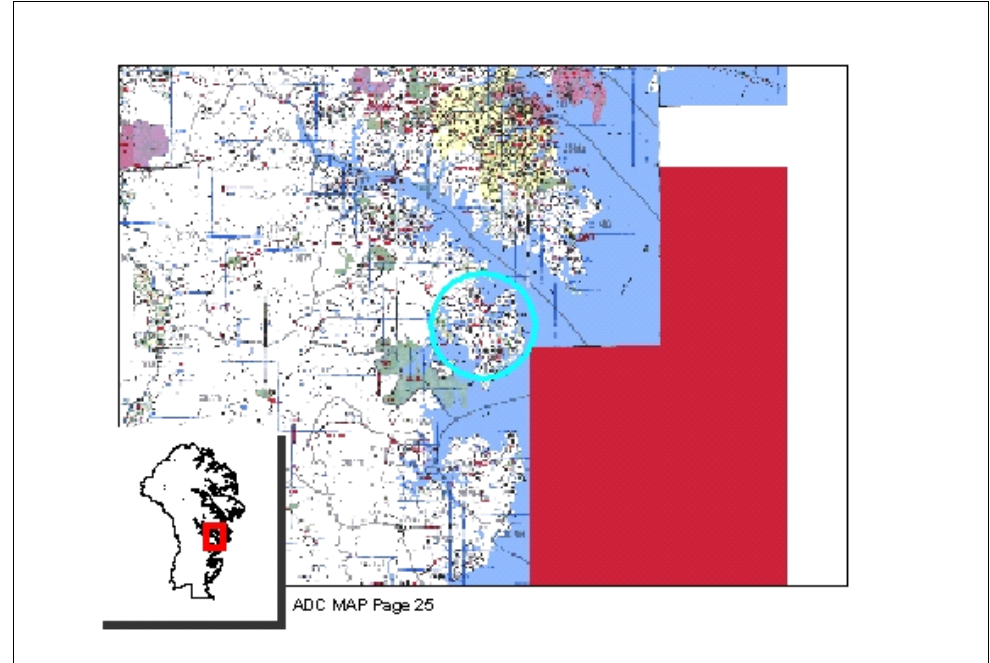
This project is for the expansion of the Mayo Wastewater Collection and Conveyance System.

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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$792,875	Plans and Engineering	\$1,043,875	\$537,875	\$151,000	\$151	\$51	\$51	\$51	\$51	\$0
\$18,000	Land	\$19,000	\$13,000	\$1,000	\$1	\$1	\$1	\$1	\$1	\$0
\$9,340,806	Construction	\$9,560,806	\$7,240,806	\$320,000	\$320	\$420	\$420	\$420	\$420	\$0
\$588,712	Overhead	\$616,712	\$448,712	\$28,000	\$28	\$28	\$28	\$28	\$28	\$0
\$10,740,393	Total	\$11,240,393	\$8,240,393	\$500,000	\$500	\$500	\$500	\$500	\$500	\$0
More (Less) Than Prior Year Program:		\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0

S799200 Mayo Collection Sys Upgrade

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Initiate West Shore 1 & 2 Design; Construction of Beverly Beach 2, 3 & 4, Holly Hill, Triton Beach, Shoreham Beach 1 & 2, and Selby 1 & 2 SPS 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: Added FY22 request
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, 2015	\$3,039,926	\$1,886,705	\$4,926,631
April 1, 2016	\$4,113,046	\$1,184,524	\$5,297,571

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$7,868,000	WasteWater Bonds	\$8,368,000	\$5,368,000	\$500,000	\$500	\$500	\$500	\$500	\$500	\$0
\$2,697,393	WasteWater PayGo	\$2,697,393	\$2,697,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$175,000	Bond Premium	\$175,000	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,740,393	Total	\$11,240,393	\$8,240,393	\$500,000	\$500	\$500	\$500	\$500	\$500	\$0
More (Less) Than Prior Year Program:		\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0

S802300 WRF Infrastr Up/Retro

Class: Wastewater

FY2017 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.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$2,547,334	Plans and Engineering	\$2,441,537	\$1,241,537	\$200,000	\$200	\$200	\$200	\$200	\$200	
	Land	\$4,500,000	\$0	\$750,000	\$750	\$750	\$750	\$750	\$750	
\$7,877,228	Construction	\$3,256,360	\$2,956,360	\$50,000	\$50	\$50	\$50	\$50	\$50	
\$549,115	Overhead	\$213,671	\$213,671	\$0	\$0	\$0	\$0	\$0	\$0	
	Other	(\$47,887)	(\$47,887)	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,973,678	Total	\$10,363,681	\$4,363,681	\$1,000,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
More (Less) Than Prior Year Program:		(\$609,997)	(\$1,609,997)	\$0	\$0	\$0	\$0	\$0	\$1,000	Multi-Yr

S802300 WRF Infrastr Up/Retro

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Complete Design of Annapolis WRF Influent Pumps, Annapolis WRF Ethernet Upgrade, Broadneck WRF Hydraulic Study, and Broadwater WRF Blower Bldg Rehab. Construct Broadwater Clarifiers, Annapolis WRF Dewatering Bldg Upgrades.
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 FY22 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, 2015	\$1,873,651	\$280,148	\$2,153,799
April 1, 2016	\$496,469	\$973,052	\$1,469,521

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,943,777	WasteWater Bonds	\$9,783,777	\$1,783,777	\$3,000,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
\$3,729,901	WasteWater PayGo	\$279,904	\$279,904	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,300,000	Bond Premium	\$300,000	\$2,300,000	(\$2,000,000)	\$0	\$0	\$0	\$0	\$0	
\$10,973,678	Total	\$10,363,681	\$4,363,681	\$1,000,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
More (Less) Than Prior Year Program:		(\$609,997)	(\$1,609,997)	\$0	\$0	\$0	\$0	\$0	\$1,000	Multi-Yr

S802500 Grease/Grit Facility

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$775,000	Plans and Engineering	\$726,000	\$775,000	(\$49,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,508,000	Land	\$2,575,000	\$2,508,000	\$67,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,627,000	Construction	\$2,552,000	\$599,000	\$1,953,000	\$0	\$0	\$0	\$0	\$0	\$0
\$288,000	Overhead	\$345,000	\$186,000	\$159,000	\$0	\$0	\$0	\$0	\$0	\$0
\$6,198,000	Total	\$6,198,000	\$4,068,000	\$2,130,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802500 Grease/Grit Facility

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Complete Design and Initiate Construction
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: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$392,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,941,304	\$25,390	\$2,966,694
April 1, 2016	\$2,975,621	\$281,595	\$3,257,216

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$6,198,000	WasteWater Bonds	\$6,198,000	\$4,068,000	\$2,130,000	\$0	\$0	\$0	\$0	\$0	\$0
\$6,198,000	Total	\$6,198,000	\$4,068,000	\$2,130,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802900 Annapolis WRF ENR

Class: Wastewater

FY2017 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).

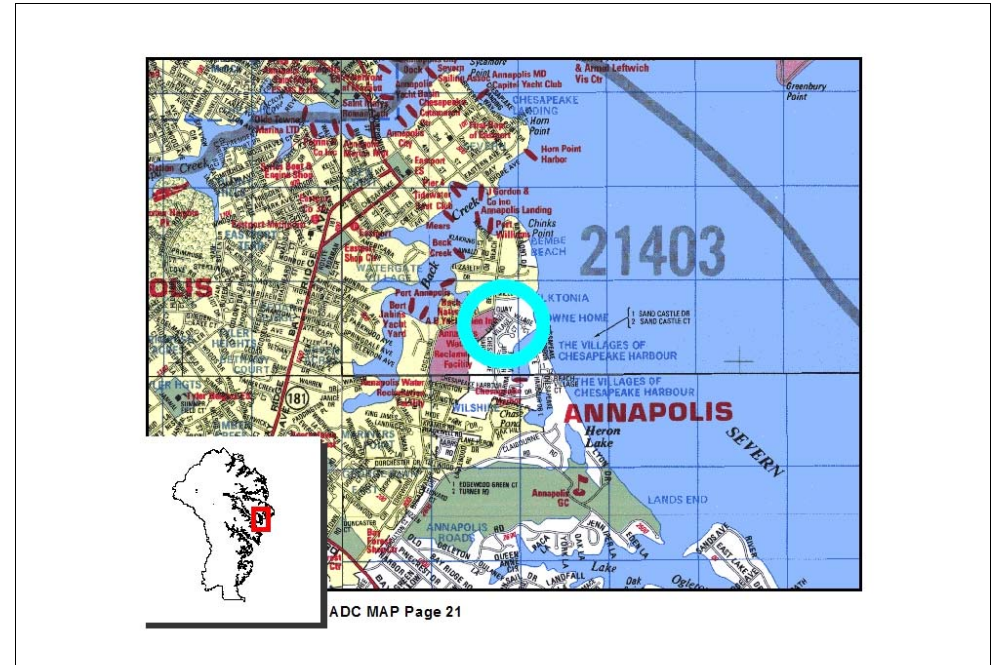
The construction of this project is funded over 2 years.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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
\$17,584,945	Construction	\$18,032,945	\$17,584,945	\$448,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,584,000	Overhead	\$1,636,000	\$1,584,000	\$52,000	\$0	\$0	\$0	\$0	\$0	\$0
\$20,624,945	Total	\$21,124,945	\$20,624,945	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$500,000	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0

S802900 Annapolis WRF ENR

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Design Ultraviolet Disinfection Modifications
3. Action Required To Complete This Project: Construct 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.
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, 2015	\$19,293,587	\$600,890	\$19,894,477
April 1, 2016	\$19,715,700	\$423,665	\$20,139,365

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$5,924,945	WasteWater Bonds	\$6,424,945	\$5,924,945	\$500,000	\$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
\$20,624,945	Total	\$21,124,945	\$20,624,945	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$500,000	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0

S803700 Broadwater WRF ENR

Class: Wastewater

FY2017 Council Approved

Description

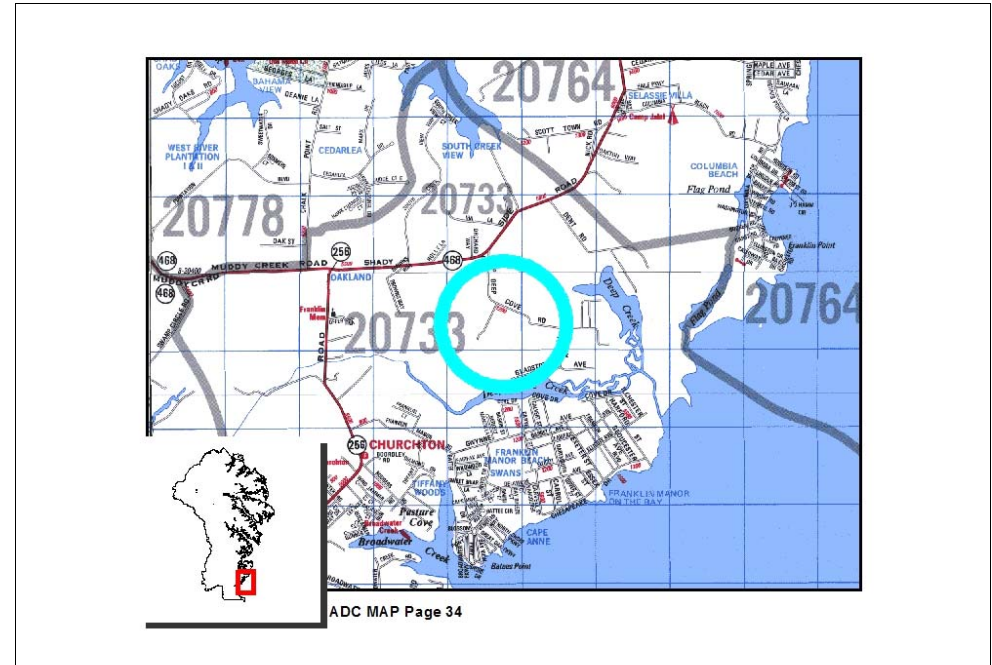
This project includes planning, right-of-way acquisition, design, construction of processes required to meet enhanced nutrient removal (3.0 MG/L TN and 0.3 MG/L TP).

Benefit

To meet regulatory compliance requirements and environmental protection.

Amendment History

County Council removed \$6,763,050 via AMD #112 to Bill 27-11.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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
\$13,521,950	Construction	\$16,021,950	\$13,521,950	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,139,000	Overhead	\$1,139,000	\$1,139,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$16,659,950	Total	\$19,159,950	\$16,659,950	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$2,500,000	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0

S803700 Broadwater WRF ENR

Class: Wastewater

FY2017 Council Approved

Project Status

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

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: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$11,064,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$10,048,872	\$734,434	\$10,783,306
April 1, 2016	\$10,348,918	\$4,908,120	\$15,257,038

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$10,610,000	WasteWater Bonds	\$13,110,000	\$10,610,000	\$2,500,000	\$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
\$16,659,950	Total	\$19,159,950	\$16,659,950	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$2,500,000	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0

S803800 Sylvan Shores WW Collect Sys

Class: Wastewater

FY2017

Council Approved

Description

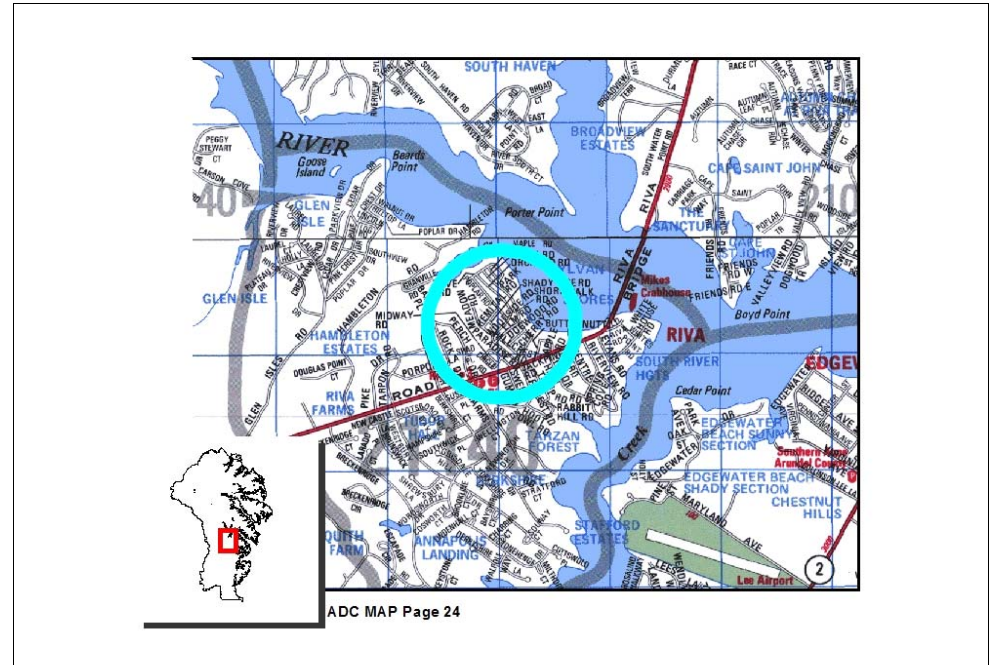
Funds are requested for the design, right of way acquisition and construction of a sanitary sewer system to serve approximately 262 properties within the community of Sylvan Shores. This project is in response to a valid petition for public sewer service.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$335,000	Plans and Engineering	\$335,000	\$335,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$50,000	Land	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,151,000	Construction	\$2,966,000	\$3,151,000	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$241,000	Overhead	\$241,000	\$241,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,777,000	Total	\$3,592,000	\$3,777,000	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$185,000)	\$0	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0

S803800 Sylvan Shores WW Collect Sys

Class: Wastewater

FY2017

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: None

Initial Total Project Cost Estimate

FY 2010 \$5,052,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,117,539	\$424,202	\$3,541,742
April 1, 2016	\$3,428,914	\$10,714	\$3,439,628

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,129,000	WasteWater Bonds	\$2,944,000	\$3,129,000	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$648,000	Other State Grants	\$648,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,777,000	Total	\$3,592,000	\$3,777,000	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$185,000)	\$0	(\$185,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804000 Sylvan Shores PS Upp

Class: Wastewater

FY2017 Council Approved

Description

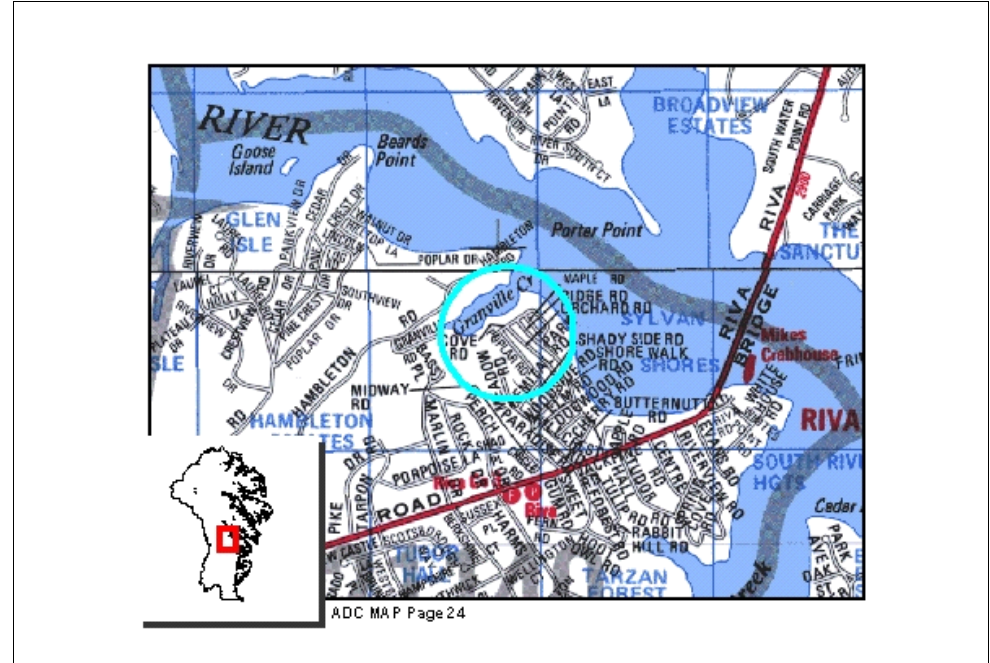
Funds are requested for the design, right of way acquisition and construction of improvements to the Sylvan Shore Sewage Pumping Station.

Benefit

The project will improve the reliability and efficiency of the existing Sylvan Shores Sewage Pumping Station.

Amendment History

Removed \$407,000 via AMD #16 to Bill 23-14. County Council removed \$250k via AMD #37 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$585,000	Plans and Engineering	\$424,000	\$585,000	(\$161,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$0	\$5,000	(\$5,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,094,000	Construction	\$3,094,000	\$3,094,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$215,000	Overhead	\$200,000	\$215,000	(\$15,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,899,000	Total	\$3,718,000	\$3,899,000	(\$181,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$181,000)	\$0	(\$181,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804000 Sylvan Shores PS Upg

Class: Wastewater

FY2017 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: Deappropriation of Remaining Funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$4,556,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,712,369	\$80,873	\$3,793,243
April 1, 2016	\$3,717,286	\$0	\$3,717,286

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,899,000	WasteWater Bonds	\$3,718,000	\$3,899,000	(\$181,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,899,000	Total	\$3,718,000	\$3,899,000	(\$181,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$181,000)	\$0	(\$181,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804100 Patuxent WRF ENR

Class: Wastewater

FY2017 Council Approved

Description

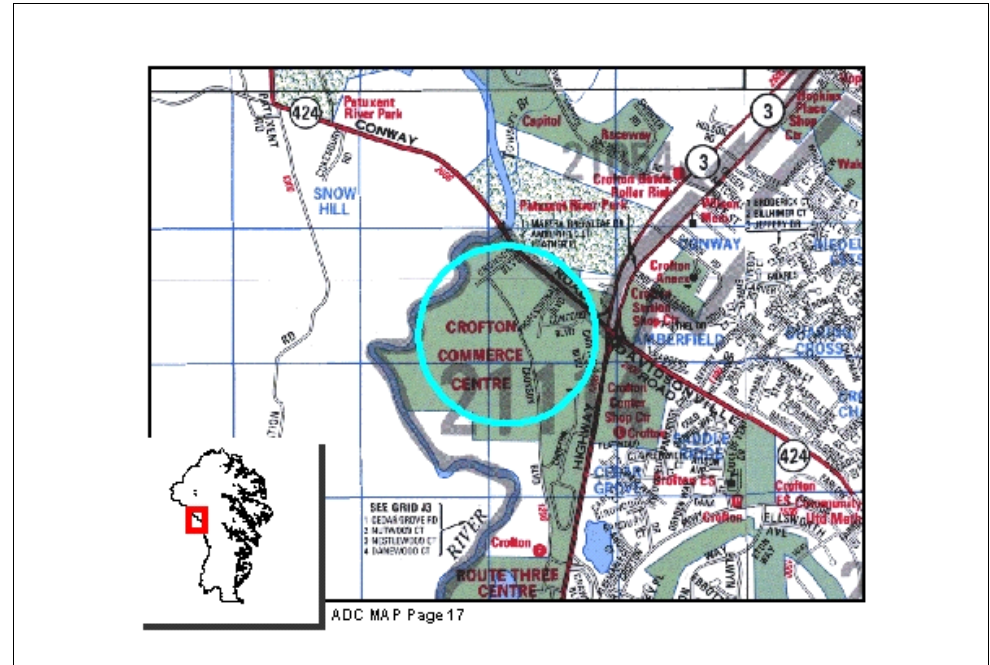
Funds are requested for the design and construction of Enhanced Nutrient Removal treatment facilities for the Patuxent WRF to meet Maryland Department of the Environment guidelines (3.0 mg/l TN and 0.3 mg/l TP).

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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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
\$11,680,000	Construction	\$11,180,000	\$11,680,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$763,000	Overhead	\$763,000	\$763,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$13,800,000	Total	\$13,300,000	\$13,800,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$500,000)	\$0	(\$500,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804100 Patuxent WRF ENR

Class: Wastewater

FY2017 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: 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, 2015	\$12,997,174	\$144,158	\$13,141,333
April 1, 2016	\$13,120,153	\$10,063	\$13,130,216

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$10,087,000	WasteWater Bonds	\$9,587,000	\$10,087,000	(\$500,000)	\$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
\$13,800,000	Total	\$13,300,000	\$13,800,000	(\$500,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$500,000)	\$0	(\$500,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804400 Balto City Sewer Agrmnt

Class: Wastewater

FY2017

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

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	FY2018	Capital Program (\$000)					Beyond 6 Years
						FY2019	FY2020	FY2021	FY2022		
\$3,635,000	Other	\$5,735,000	\$3,635,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0		
\$3,635,000	Total	\$5,735,000	\$3,635,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0		
More (Less) Than Prior Year Program:		\$2,100,000	\$0	\$2,100,000	\$0	\$0	\$0	\$0	\$0	Multi-Yr	

S804400 Balto City Sewer Agrmnt

Class: Wastewater

FY2017 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: Increase 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 \$735,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$709,606	\$514,084	\$1,223,690
April 1, 2016	\$805,706	\$417,984	\$1,223,690

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$530,000	WasteWater Bonds	\$530,000	\$530,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,105,000	WasteWater PayGo	\$5,205,000	\$3,105,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0	
\$3,635,000	Total	\$5,735,000	\$3,635,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$2,100,000	\$0	\$2,100,000	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S805400 Marley SPS Upgrade

Class: Wastewater

FY2017 Council Approved

Description

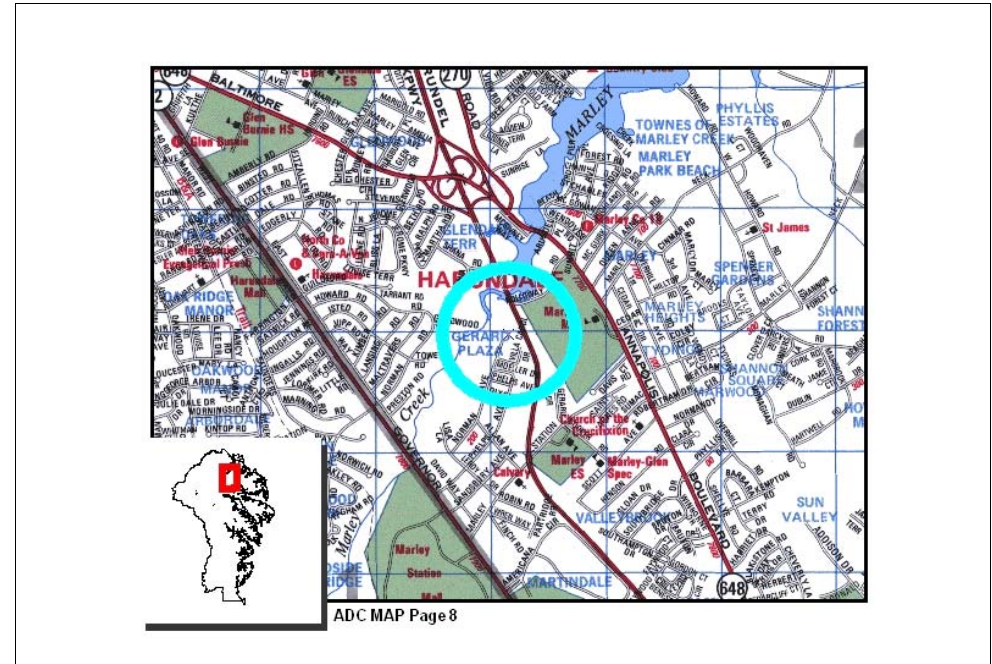
Funds are requested for the planning, design, right of way acquisition and construction of various upgrades to the Marley Sewage Pumping Station. The purpose of the project is to replace and update mechanical equipment, electrical equipment, controls, etc. to improve the station's operation and reliability.

Benefit

Improved operation and reliability.

Amendment History

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



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$396,000	Plans and Engineering	\$396,000	\$396,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,577,000	Construction	\$3,671,000	\$3,577,000	\$94,000	\$0	\$0	\$0	\$0	\$0	\$0
\$251,000	Overhead	\$257,000	\$251,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0
\$4,229,000	Total	\$4,329,000	\$4,229,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0

S805400 Marley SPS Upgrade

Class: Wastewater

FY2017 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: Performance

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: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$4,979,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,994,397	\$77,936	\$4,072,333
April 1, 2016	\$4,056,528	\$71,696	\$4,128,224

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,229,000	WasteWater Bonds	\$4,329,000	\$4,229,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
\$4,229,000	Total	\$4,329,000	\$4,229,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0

S805900 Odenton Town Cntr Sewr

Class: Wastewater

FY2017 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.

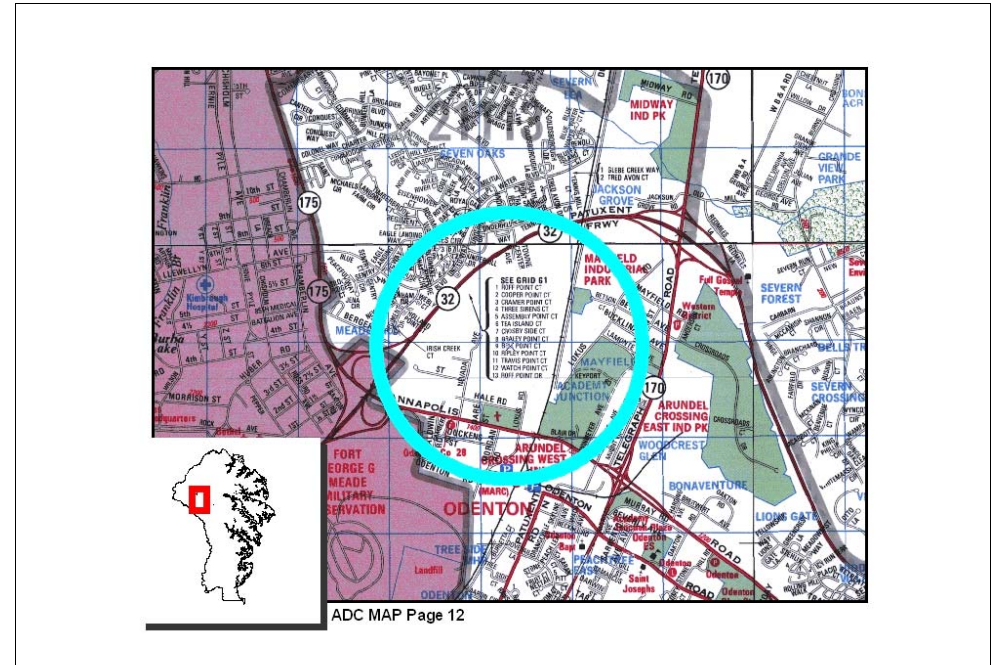
Funds appropriated in the Capital Budget for "Odenton Town Center Sewer" may not be encumbered or expended until the Council establishes, by ordinance, a sewer subdistrict and approves, by ordinance, a Development Rights and Responsibilities Agreement with the developer.

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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,315,000	Plans and Engineering	\$1,315,000	\$1,315,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,253,000	Land	\$1,253,000	\$1,253,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,151,000	Construction	\$10,337,000	\$10,151,000	\$186,000	\$0	\$0	\$0	\$0	\$0	\$0
\$758,000	Overhead	\$772,000	\$758,000	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0
\$180,000	Other	\$180,000	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$13,657,000	Total	\$13,857,000	\$13,657,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0

S805900 Odenton Town Cntr Sewr

Class: Wastewater

FY2017 Council Approved

Project Status

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

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: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$8,044,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$11,729,373	\$576,763	\$12,306,136
April 1, 2016	\$11,754,978	\$1,222,800	\$12,977,778

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$13,657,000	WasteWater Bonds	\$13,857,000	\$13,657,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
\$13,657,000	Total	\$13,857,000	\$13,657,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0

S806100 Cox Creek WRF Non-ENR

Class: Wastewater

FY2017 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.

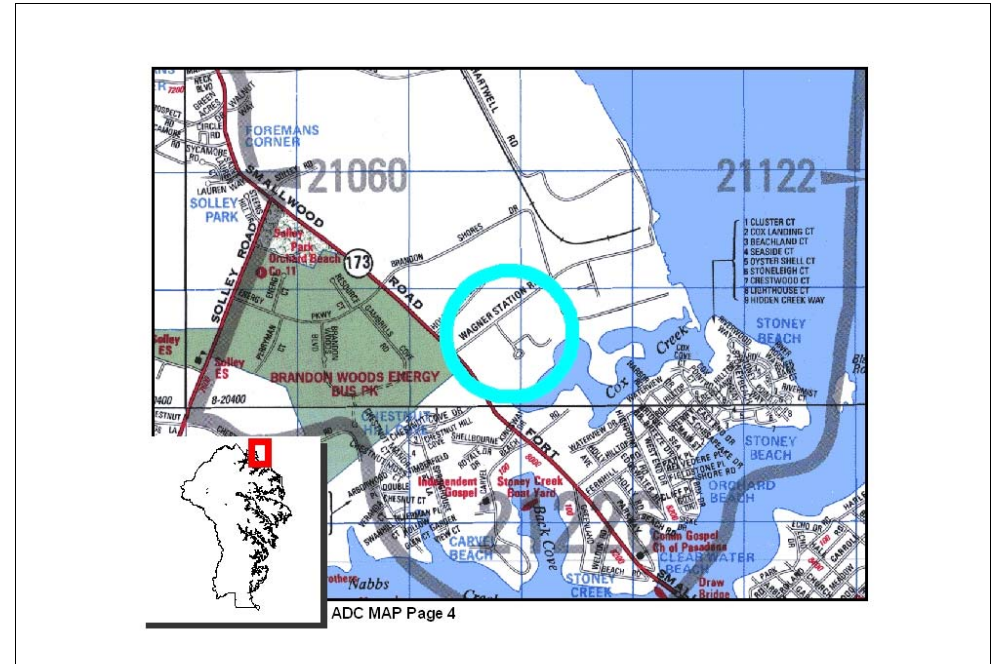
This is a parallel project to S802200 -Cox Creek WRF ENR and includes plant modifications that are not eligible for MDE grant funding thru the ENR program. Work under this project and S802200 is essential to assuring continuous and reliable plant operations within stringent environmental permit limits.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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
\$1,000,000	Overhead	\$640,000	\$1,000,000	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$25,998,000	Total	\$25,638,000	\$25,998,000	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$360,000)	\$0	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806100 Cox Creek WRF Non-ENR

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction of Phase 2
3. Action Required To Complete This Project: Construction and 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, 2015	\$4,915,984	\$16,279,635	\$21,195,619
April 1, 2016	\$8,773,258	\$12,635,156	\$21,408,414

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$25,998,000	WasteWater Bonds	\$25,638,000	\$25,998,000	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$25,998,000	Total	\$25,638,000	\$25,998,000	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$360,000)	\$0	(\$360,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806200 SPS Fac Gen Replace

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Phase 5 Performance, Phases 6, 7, 8 & 9 Construction and Performance, Phases 10, 11, 12 & 13 Construction.
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: Deferred FY17 request based on available balance; added FY22 funding
3. Change in Scope: None
4. Change in Timing: Multi-Year

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, 2015	\$2,937,600	\$3,505,256	\$6,442,855
April 1, 2016	\$4,685,189	\$6,768,956	\$11,454,145

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$39,467,000	WasteWater Bonds	\$37,387,000	\$23,827,000	\$0	\$2,712	\$2,712	\$2,712	\$2,712	\$2,712	
\$4,742,000	WasteWater PayGo	\$6,822,000	\$1,007,000	\$0	\$1,163	\$1,163	\$1,163	\$1,163	\$1,163	
\$600,000	Bond Premium	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$44,809,000	Total	\$44,809,000	\$25,434,000	\$0	\$3,875	\$3,875	\$3,875	\$3,875	\$3,875	
More (Less) Than Prior Year Program:		\$0	\$0	(\$3,875,000)	\$0	\$0	\$0	\$0	\$3,875	Multi-Yr

S806300 Big Cypress SPS Retro

Class: Wastewater

FY2017 Council Approved

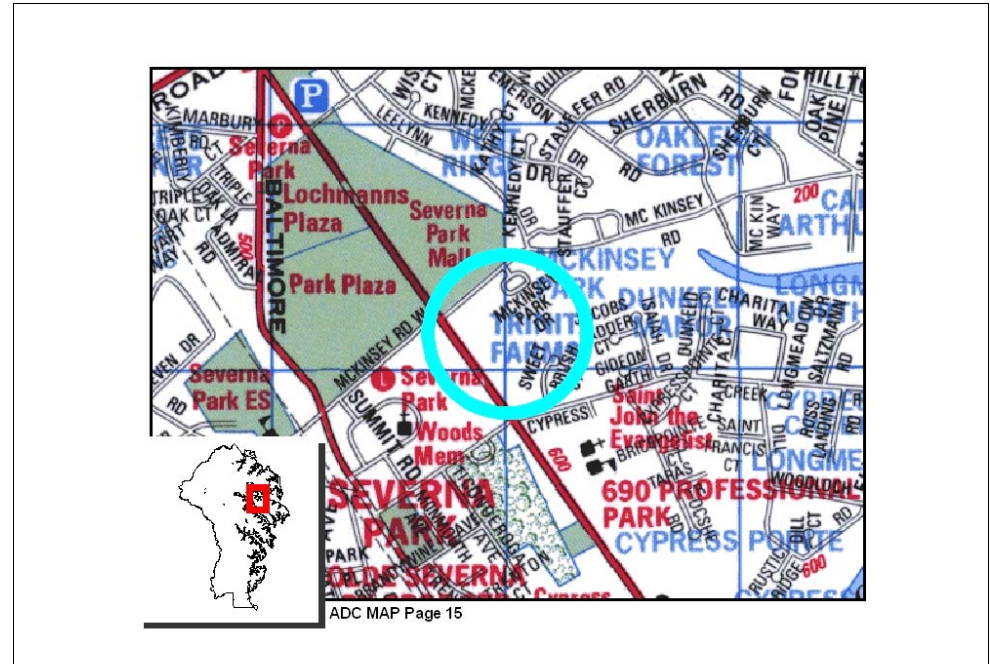
Description

This project provides funding for design and construction of upgrades to the Big Cypress Creek Sewage Pumping Station. Upgrades include, but not limited to, replacement of pumps, valves, generator, fuel storage tank, motor control center, controls and instrumentation.

Benefit

The project will enhance and retrofit existing sewage pumping station for continued reliable operation..

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$40,000	Plans and Engineering	\$40,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$0	\$1,000	(\$1,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,500,000	Construction	\$2,680,000	\$3,500,000	(\$820,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$215,000	Overhead	\$171,000	\$215,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,756,000	Total	\$2,891,000	\$3,756,000	(\$865,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$865,000)	\$0	(\$865,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806300 Big Cypress SPS Retro

Class: Wastewater

FY2017 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: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2010 \$3,756,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,235,675	\$337,154	\$2,572,829
April 1, 2016	\$2,534,800	\$210,607	\$2,745,407

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,756,000	WasteWater Bonds	\$2,891,000	\$3,756,000	(\$865,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,756,000	Total	\$2,891,000	\$3,756,000	(\$865,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$865,000)	\$0	(\$865,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806500 Patuxent WRF Exp

Class: Wastewater

FY2017 Council Approved

Description

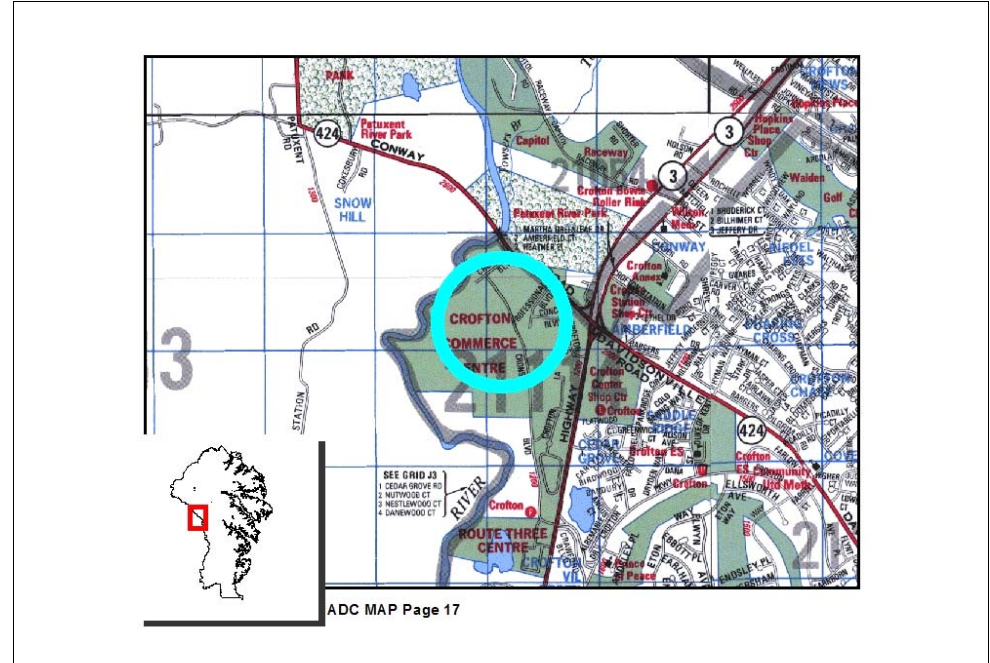
Funds are requested for the design, land acquisition and construction of an expansion of the Patuxent WRF to a capacity of 10.5 MGD. The project will include the addition of a new process train including tankage, process units, modifications to existing facilities, upgrade of the headworks and all other 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,706,000	Plans and Engineering	\$4,706,000	\$4,645,000	\$61,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$56,533,000	Construction	\$56,533,000	\$56,186,000	\$347,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,464,000	Overhead	\$2,464,000	\$2,442,000	\$22,000	\$0	\$0	\$0	\$0	\$0	\$0
\$63,704,000	Total	\$63,704,000	\$63,274,000	\$430,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806500 Patuxent WRF Exp

Class: Wastewater

FY2017

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: 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 \$37,631,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,301,107	\$4,887,742	\$8,188,849
April 1, 2016	\$3,444,116	\$57,208,856	\$60,652,971

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$63,704,000	WasteWater Bonds	\$63,704,000	\$63,274,000	\$430,000	\$0	\$0	\$0	\$0	\$0	\$0
\$63,704,000	Total	\$63,704,000	\$63,274,000	\$430,000	\$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

FY2017

Council Approved

Description

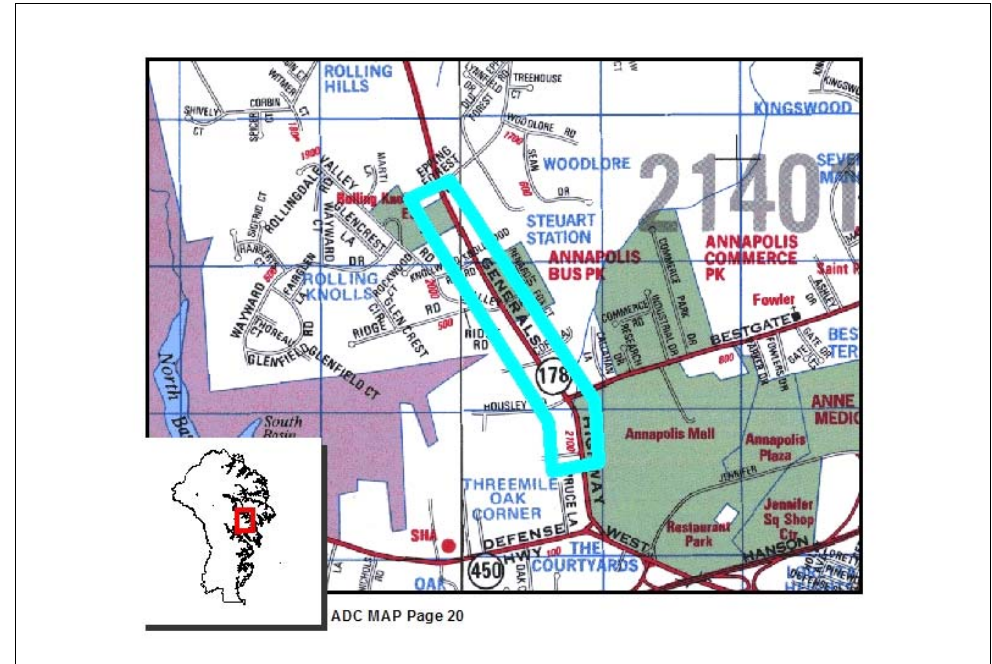
Funds are requested for the construction of a sanitary sewer extension to serve the Rolling Knolls Elementary School. The project will extend sewer along Generals Highway from the Generals Highway Sewage Pumping Station to the school site. The project is envisioned to consist of approximately 3,300 linear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



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$311,000	Land	\$561,000	\$311,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0
\$2,912,000	Construction	\$3,542,000	\$2,912,000	\$630,000	\$0	\$0	\$0	\$0	\$0	\$0
\$225,700	Overhead	\$269,700	\$225,700	\$44,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,448,700	Total	\$4,372,700	\$3,448,700	\$924,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$924,000	\$0	\$924,000	\$0	\$0	\$0	\$0	\$0	\$0

S806900 Rolling Knolls ES Sewer Ext

Class: Wastewater

FY2017

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: Increase based on current estimate.
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, 2015	\$0	\$0
April 1, 2016	\$859,406	\$1,155,955
		\$2,015,362

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$926,700	WasteWater Bonds	\$1,850,700	\$926,700	\$924,000	\$0	\$0	\$0	\$0	\$0	\$0
	Miscellaneous	\$2,522,000	\$2,522,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$926,700	Total	\$4,372,700	\$3,448,700	\$924,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$924,000	\$0	\$924,000	\$0	\$0	\$0	\$0	\$0	\$0

S807000 Broadwater WRF Headworks

Class: Wastewater

FY2017 Council Approved

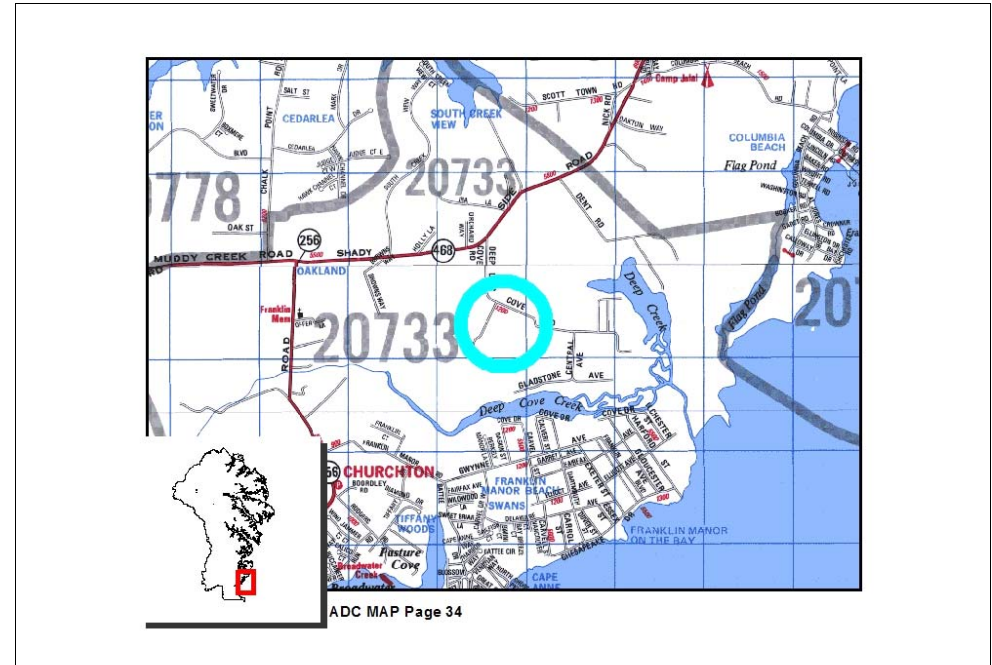
Description

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$357,000	Plans and Engineering	\$367,000	\$357,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
\$20,000	Land	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,997,000	Construction	\$3,917,000	\$2,997,000	\$920,000	\$0	\$0	\$0	\$0	\$0	\$0
\$237,000	Overhead	\$307,000	\$237,000	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,611,000	Total	\$4,611,000	\$3,611,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0

S807000 Broadwater WRF Headworks

Class: Wastewater

FY2017 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: Increase based on current estimate.
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, 2015	\$81,995	\$65,285	\$147,280
April 1, 2016	\$187,674	\$9,513	\$197,187

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,611,000	WasteWater Bonds	\$4,611,000	\$3,611,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,611,000	Total	\$4,611,000	\$3,611,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,000,000	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0

S807300 Annapolis WRF Upgrade

Class: Wastewater

FY2017 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.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$915,000	Plans and Engineering	\$915,000	\$915,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,509,000	Construction	\$6,509,000	\$0	\$6,509,000	\$0	\$0	\$0	\$0	\$0	\$0
\$380,000	Overhead	\$380,000	\$50,000	\$330,000	\$0	\$0	\$0	\$0	\$0	\$0
\$7,811,000	Total	\$7,811,000	\$972,000	\$6,839,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807300 Annapolis WRF Upgrade

Class: Wastewater

FY2017

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: 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 2016 \$7,811,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$0	\$0	\$0
April 1, 2016	\$891	\$0	\$891

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$7,811,000	WasteWater Bonds	\$7,811,000	\$972,000	\$6,839,000	\$0	\$0	\$0	\$0	\$0	\$0
\$7,811,000	Total	\$7,811,000	\$972,000	\$6,839,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

X738800 Sewer Main Repl/Recon

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$0	Plans and Engineering	(\$634,198)	(\$634,198)	\$0	\$0	\$0	\$0	\$0	\$0	
	Land	\$21,653	\$21,653	\$0	\$0	\$0	\$0	\$0	\$0	
	Construction	(\$16,541,952)	(\$16,541,952)	\$0	\$0	\$0	\$0	\$0	\$0	
	Overhead	(\$985,889)	(\$985,889)	\$0	\$0	\$0	\$0	\$0	\$0	
\$78,425,985	Other	\$97,574,922	\$65,174,922	\$5,400,000	\$5,400	\$5,400	\$5,400	\$5,400	\$5,400	
\$78,425,985	Total	\$79,434,537	\$47,034,537	\$5,400,000	\$5,400	\$5,400	\$5,400	\$5,400	\$5,400	
More (Less) Than Prior Year Program:		\$1,008,552	(\$4,391,448)	\$0	\$0	\$0	\$0	\$0	\$5,400	Multi-Yr

X738800 Sewer Main Repl/Recon

Class: Wastewater

FY2017

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, and Clear ROW.
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: Added FY22 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 1986 \$1,259,400

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$17,295,828	\$20,076,593	\$37,372,421
April 1, 2016	\$26,617,624	\$14,414,186	\$41,031,810

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$54,576,220	WasteWater Bonds	\$38,508,220	\$32,976,220	(\$7,968,000)	\$2,700	\$2,700	\$2,700	\$2,700	\$2,700	
\$22,774,765	WasteWater PayGo	\$29,183,317	\$12,983,317	\$2,700,000	\$2,700	\$2,700	\$2,700	\$2,700	\$2,700	
\$1,075,000	Bond Premium	\$11,743,000	\$1,075,000	\$10,668,000	\$0	\$0	\$0	\$0	\$0	
\$78,425,985	Total	\$79,434,537	\$47,034,537	\$5,400,000	\$5,400	\$5,400	\$5,400	\$5,400	\$5,400	
More (Less) Than Prior Year Program:		\$1,008,552	(\$4,391,448)	\$0	\$0	\$0	\$0	\$0	\$5,400	Multi-Yr

X741200 WW Service Connections

Class: Wastewater

FY2017

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 funded by user connection charges. Connections made for water service will be installed under project number (X-7424) and connections made for sewer service will be installed under project number (X-7412). This project will be used as a revolving fund. All services will be installed under contracts administered by the Department of Public Works.

Beginning in FY2004, User Connection Fees will no longer be deposited in the Utility Debt Service Fund and then transferred to this project as a funding source. Instead, these fees will be deposited in the Utility Operating Fund and this project will be funded with Utility PayGo.

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.

Location

Countywide

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$10,848,341	Other	\$10,681,641	\$2,231,641	\$450,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
\$10,848,341	Total	\$10,681,641	\$2,231,641	\$450,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
More (Less) Than Prior Year Program:		(\$166,700)	(\$616,700)	(\$1,150,000)	\$0	\$0	\$0	\$0	\$1,600	Multi-Yr

X741200 WW Service Connections

Class: Wastewater

FY2017 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: Request \$850,000 for FY17; Added \$1,600,000 for FY22 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 1986 \$8,919,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2015	\$797,379	\$969,399	\$1,766,777
April 1, 2016	\$860,293	\$705,607	\$1,565,900

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,438,056	Water Bonds	\$1,239,693	\$1,239,693	\$0	\$0	\$0	\$0	\$0	\$0	
\$900,988	WasteWater Bonds	\$900,988	\$900,988	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,409,173	WasteWater PayGo	\$4,315,963	\$90,963	\$225,000	\$800	\$800	\$800	\$800	\$800	
\$4,100,124	Water PayGo	\$4,225,000	\$0	\$225,000	\$800	\$800	\$800	\$800	\$800	
\$0	User Connections	(\$3)	(\$3)	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,848,341	Total	\$10,681,641	\$2,231,641	\$450,000	\$1,600	\$1,600	\$1,600	\$1,600	\$1,600	
More (Less) Than Prior Year Program:		(\$166,700)	(\$616,700)	(\$1,150,000)	\$0	\$0	\$0	\$0	\$1,600	Multi-Yr

X800000 State Hwy Reloc-Sewer

Class: Wastewater

FY2017

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: Added Design and Construction costs to relocate water infrastructure along MD 175; Added FY22 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, 2015	\$175,397	\$91,519	\$266,915
April 1, 2016	\$222,384	\$134,372	\$356,756

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$82,580	WasteWater Bonds	\$82,580	\$82,580	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,837,483	WasteWater PayGo	\$3,337,483	\$837,483	\$1,500,000	\$200	\$200	\$200	\$200	\$200	
\$1,920,063	Total	\$3,420,063	\$920,063	\$1,500,000	\$200	\$200	\$200	\$200	\$200	
More (Less) Than Prior Year Program:		\$1,500,000	\$0	\$1,300,000	\$0	\$0	\$0	\$0	\$200	Multi-Yr

Z533200 Routine Sewer Extensions

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
	Plans and Engineering	(\$82,058)	(\$82,058)	\$0	\$0	\$0	\$0	\$0	\$0	
	Land	(\$4,900)	(\$4,900)	\$0	\$0	\$0	\$0	\$0	\$0	
	Construction	(\$267,664)	(\$267,664)	\$0	\$0	\$0	\$0	\$0	\$0	
	Overhead	(\$22,286)	(\$22,286)	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,462,228	Other	\$3,824,145	\$1,824,145	\$0	\$400	\$400	\$400	\$400	\$400	
\$3,462,228	Total	\$3,447,237	\$1,447,237	\$0	\$400	\$400	\$400	\$400	\$400	
More (Less) Than Prior Year Program:		(\$14,991)	(\$14,991)	(\$400,000)	\$0	\$0	\$0	\$0	\$400	Multi-Yr

Z533200 Routine Sewer Extensions

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Completed Woodholme Circle Sewer Extension, Oakdale Circle, and Chestnut Springs Sewer Extension Feasibility Studies.
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: No funding request for FY17 based on available balance; Added FY22 Funding.
3. Change In Scope: Multi-Year
4. Change InTiming: 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, 2015
\$167,833	\$55,142	\$222,974
		April 1, 2016
\$190,680	\$176,094	\$366,774

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,462,228	WasteWater Bonds	\$3,447,237	\$1,447,237	\$0	\$400	\$400	\$400	\$400	\$400	
\$3,462,228	Total	\$3,447,237	\$1,447,237	\$0	\$400	\$400	\$400	\$400	\$400	
More (Less) Than Prior Year Program:		(\$14,991)	(\$14,991)	(\$400,000)	\$0	\$0	\$0	\$0	\$400	Multi-Yr

S741300 Chg Against WW Clsd Projects

Class: Wastewater

FY2017

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, 2015	\$438,731	\$47	\$438,779
April 1, 2016	\$448,708	\$4,566	\$453,273

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$640,348	WasteWater Bonds	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	
	Conversion County Bnd	\$340,348	\$340,348	\$0	\$0	\$0	\$0	\$0	\$0	
\$640,348	Total	\$640,348	\$640,348	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

S777200 Central Sanitation Facility

Class: Wastewater

FY2017 Council Approved

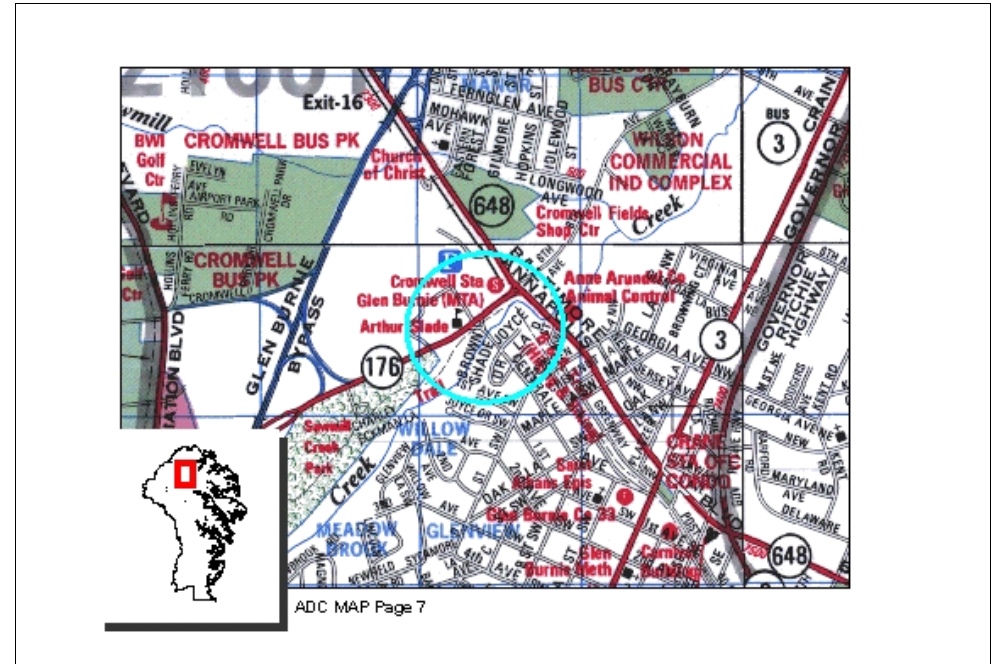
Description

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.

Benefit

Efficiency of Operations.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,619,000	Plans and Engineering	\$1,619,000	\$1,619,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,000	Land	\$4,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$18,691,000	Construction	\$18,691,000	\$18,691,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$993,000	Overhead	\$993,000	\$993,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$765,000	Furn., Fixtures and Equip.	\$765,000	\$765,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$184,000	Other	\$184,000	\$184,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$22,256,000	Total	\$22,256,000	\$22,256,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S777200 Central Sanitation Facility

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction of HVAC Mods.
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: 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 1996 \$5,545,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$19,686,373	\$578,741	\$20,265,114
April 1, 2016	\$20,179,415	\$193,828	\$20,373,243

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$22,256,000	WasteWater Bonds	\$21,384,000	\$21,384,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Conversion County Bnd	\$872,000	\$872,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$22,256,000	Total	\$22,256,000	\$22,256,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

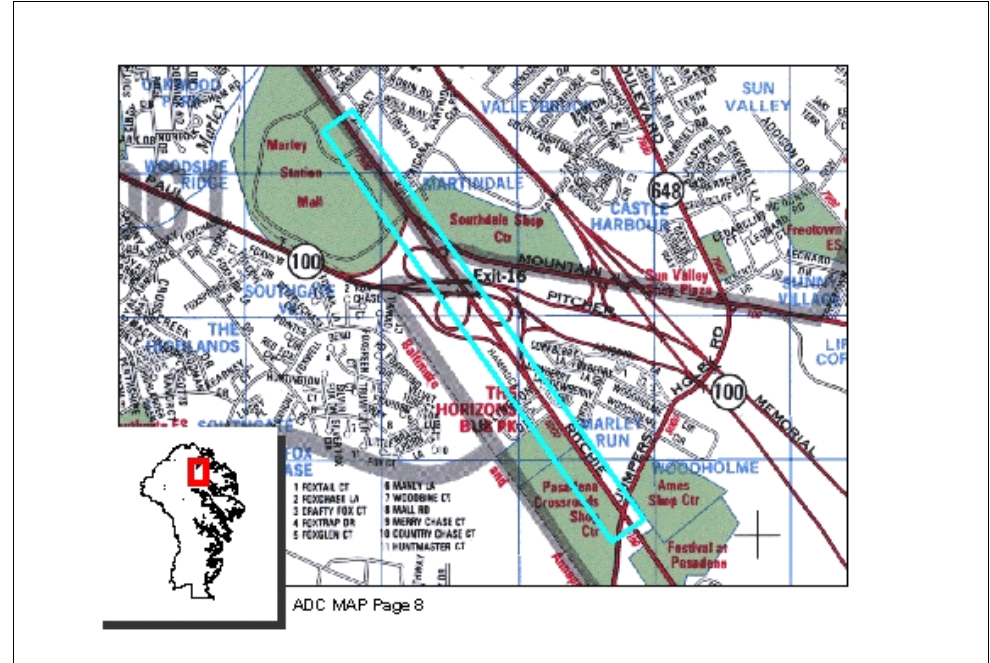
S783700 Marley-Jumpers Swr Rehab

Class: Wastewater

FY2017 Council Approved

Description

This project is to design and construct upgrade and capacity expansion of gravity and pressure sewers in the vicinity of Ritchie Highway between Marley Station Road and Jumpers Hole Road.



Benefit

System Upgrade

Amendment History

County Council removed \$1,425,000 via AMD #29 and added \$450k via AMD #73 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$280,000	Plans and Engineering	\$280,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$240,000	Land	\$240,000	\$240,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,246,000	Construction	\$8,246,000	\$8,246,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$494,000	Overhead	\$494,000	\$494,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,260,000	Total	\$9,260,000	\$9,260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S783700 Marley-Jumpers Swr Rehab

Class: Wastewater

FY2017

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 1997 \$3,150,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$9,244,979	\$11,663	\$9,256,642
April 1, 2016	\$9,245,918	\$3,549	\$9,249,467

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$8,810,000	WasteWater Bonds	\$5,450,000	\$5,450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Conversion County Bnd	\$3,360,000	\$3,360,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$450,000	Miscellaneous	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,260,000	Total	\$9,260,000	\$9,260,000	\$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

FY2017

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.

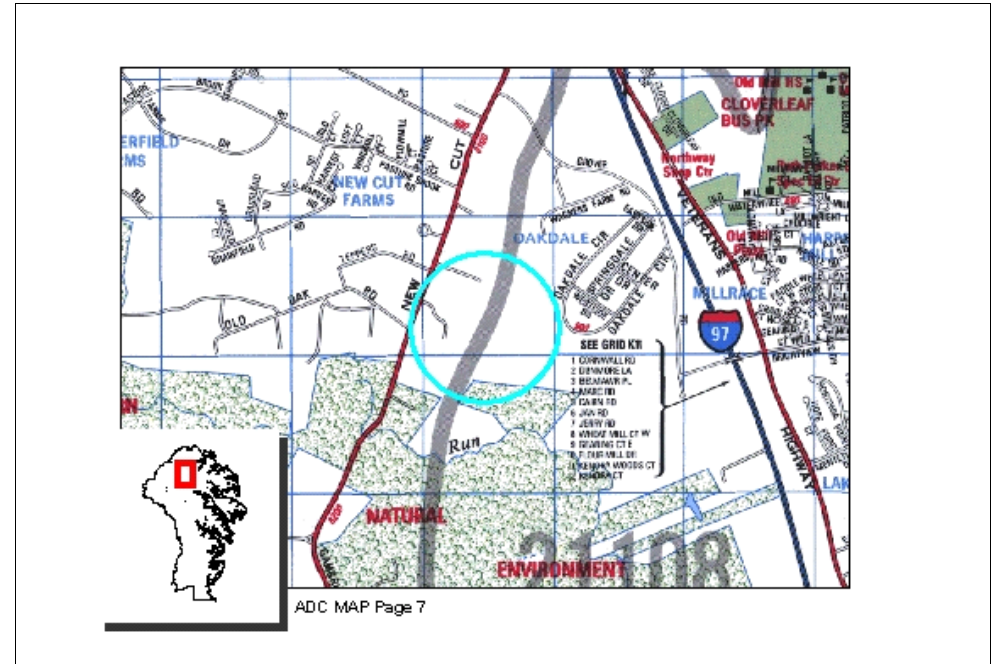
Project costs were increased in FY05 and FY08 due to plans to construct approximately 7,700 feet of interceptor sewer from Upton Rd. to Quarterfield Rd.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,201,000	Plans and Engineering	\$1,201,000	\$1,201,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$490,000	Land	\$490,000	\$490,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,405,000	Construction	\$10,405,000	\$10,405,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$809,000	Overhead	\$809,000	\$809,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,905,000	Total	\$12,905,000	\$12,905,000	\$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

FY2017

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: Complete Phase II 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: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 1999 \$2,117,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$12,018,659	\$874,726	\$12,893,385
April 1, 2016	\$12,745,395	\$17,421	\$12,762,816

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$12,905,000	WasteWater Bonds	\$12,784,000	\$12,784,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Conversion County Bnd	\$121,000	\$121,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,905,000	Total	\$12,905,000	\$12,905,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S798100 Wastewater Scada Upg

Class: Wastewater

FY2017 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: 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 2001 \$3,573,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,103,456	\$463,479	\$2,566,936
April 1, 2016	\$2,210,587	\$370,609	\$2,581,196

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$6,225,000	WasteWater Bonds	\$6,225,000	\$6,225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,225,000	Total	\$6,225,000	\$6,225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

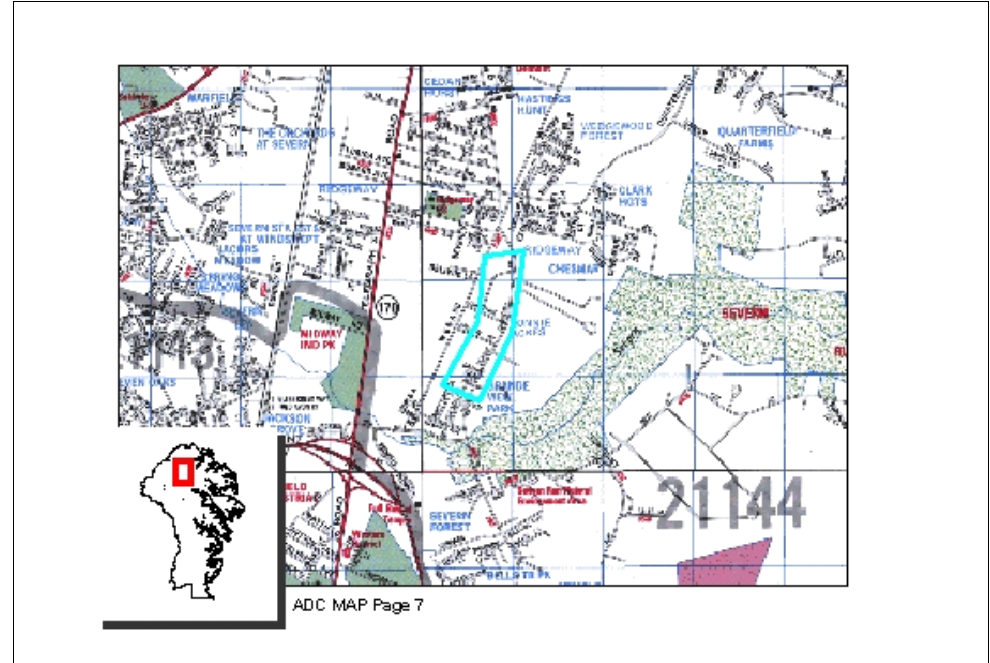
S799000 Ridgeview SPS & FM

Class: Wastewater

FY2017 Council Approved

Description

The project includes construction of a drywell/wetwell sewage pumping station, approximately 2800 linear feet of 16" forcemain and 5800 linear feet of gravity interceptor.



Benefit

Expansion to meet planned development.

Amendment History

County Council removed \$15k via AMD #32 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$566,000	Plans and Engineering	\$566,000	\$566,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$200,000	Land	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,865,000	Construction	\$7,865,000	\$7,865,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$455,000	Overhead	\$455,000	\$455,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,086,000	Total	\$9,086,000	\$9,086,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S799000 Ridgeview SPS & FM

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Right-of-Way
3. Action Required To Complete This Project: Right-of-Way

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 2003 \$4,472,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$8,088,006	\$13,251	\$8,101,257
April 1, 2016	\$8,087,147	\$14,481	\$8,101,628

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$9,086,000	WasteWater Bonds	\$9,086,000	\$9,086,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,086,000	Total	\$9,086,000	\$9,086,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S800100 Riva Road Force Main

Class: Wastewater

FY2017 Council Approved

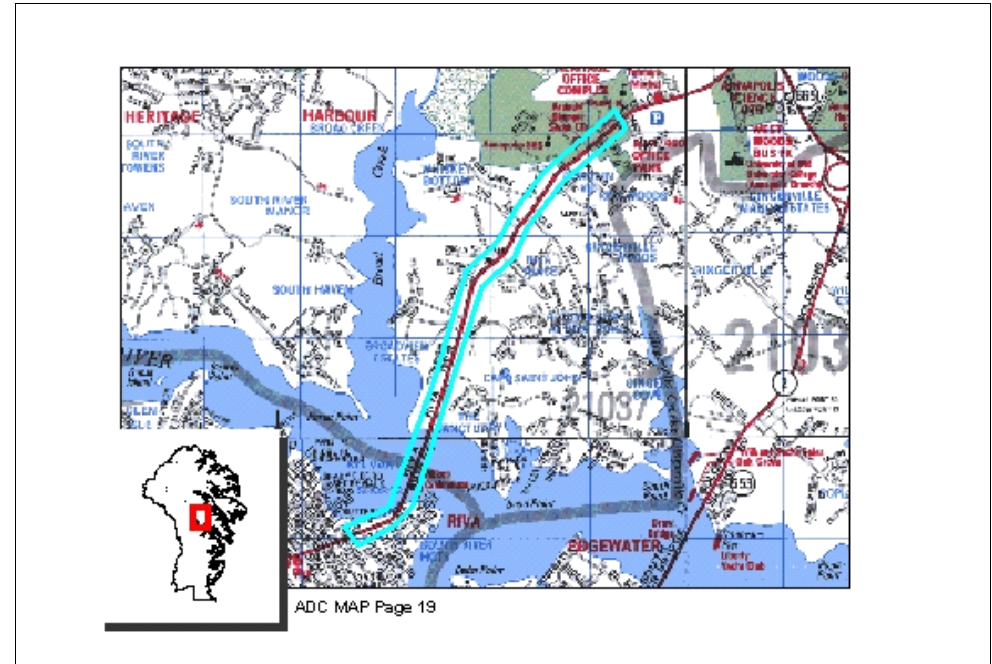
Description

Replacement/upgrade and installation of approximately 7,000 linear feet of force main along Riva and Cape St. John Roads. The project limits are located on the northside of the South River Bridge and extend North of Speicher Drive; and along Cape St. John Road from Cape St. John SPS No. 1 to Riva Road. Project also includes rehabilitation of existing air release structures to remain. The project includes design, right of way acquisition and construction.

Benefit

Project will upgrade capacity of the forcemain from the Sylvan Shores Sewage Pumping Station to accommodate anticipated increased sewage flows/demands and maintain required capacity of Cape St. John SPS No. 1.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$233,000	Plans and Engineering	\$233,000	\$233,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$13,000	Land	\$13,000	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,715,000	Construction	\$2,715,000	\$2,715,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$177,000	Overhead	\$177,000	\$177,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,138,000	Total	\$3,138,000	\$3,138,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S800100 Riva Road Force Main

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Project Complete
2. Action Taken In Current FY: 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 2004 \$1,701,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,131,560	\$0	\$3,131,560
April 1, 2016	\$3,131,969	\$0	\$3,131,969

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,138,000	WasteWater Bonds	\$3,138,000	\$3,138,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,138,000	Total	\$3,138,000	\$3,138,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S800600 Dewatering Facilities

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,645,000	Plans and Engineering	\$3,645,000	\$3,645,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$16,000	Land	\$16,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$40,986,000	Construction	\$40,986,000	\$40,986,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,786,000	Overhead	\$1,786,000	\$1,786,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$46,433,000	Total	\$46,433,000	\$46,433,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S800600 Dewatering Facilities

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction at Broadneck WRF, Annapolis WRF, Patuxent WRF, and 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: None
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, 2015	\$2,558,229	\$7,690,741	\$10,248,971
April 1, 2016	\$3,128,229	\$25,010,835	\$28,139,064

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$46,433,000	WasteWater Bonds	\$46,433,000	\$46,433,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$46,433,000	Total	\$46,433,000	\$46,433,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S800700 Regional Sludge Facility

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Initiate Phase 3 (Schematic Design)
3. Action Required To Complete This Project: Complete Schematic Design, Design, Construction, 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 2010 \$157,500

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$232,051	\$269,848	\$501,899
April 1, 2016	\$499,375	\$31,952	\$531,328

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$984,500	WasteWater Bonds	\$984,500	\$984,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$984,500	Total	\$984,500	\$984,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

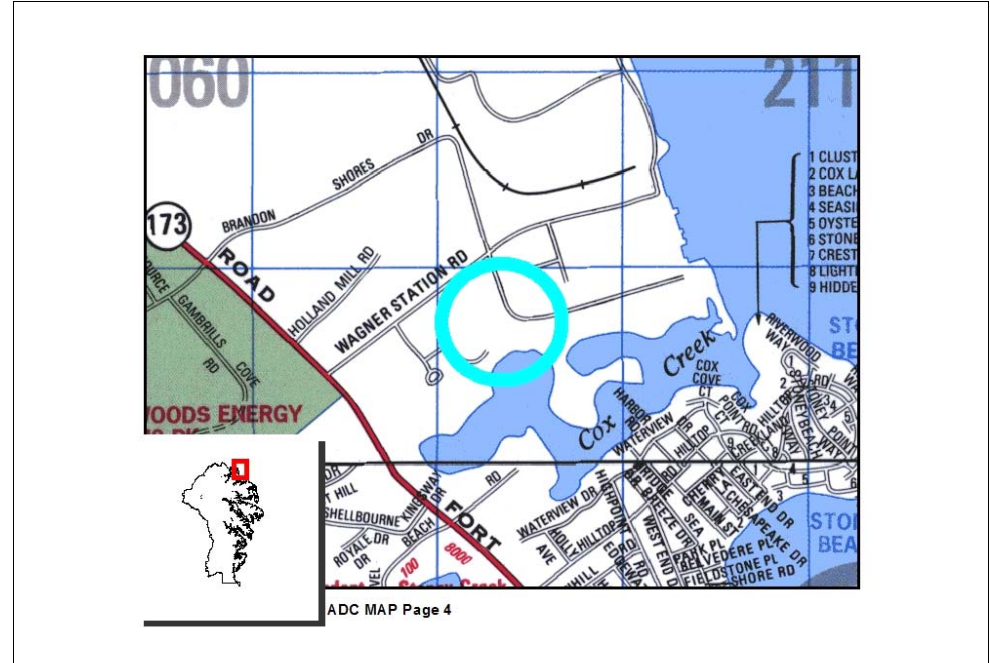
S802200 Cox Creek WRF ENR

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$14,540,200	Plans and Engineering	\$14,540,200	\$14,540,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,000	Land	\$12,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$123,800,800	Construction	\$123,800,800	\$123,800,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,510,000	Overhead	\$2,510,000	\$2,510,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$140,863,000	Total	\$140,863,000	\$140,863,000	\$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

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Construction For Phase II
3. Action Required To Complete This Project: Construction for Phase II and 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, 2015	\$90,106,742	\$38,047,999	\$128,154,741
April 1, 2016	\$115,293,046	\$14,314,277	\$129,607,322

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$52,263,000	WasteWater Bonds	\$52,263,000	\$52,263,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$88,600,000	Other State Grants	\$88,600,000	\$88,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$140,863,000	Total	\$140,863,000	\$140,863,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802700 WRF Effluent Wells

Class: Wastewater

FY2017 Council Approved

Description

Funds are requested for the design and construction of effluent stilling wells at the Broadneck WRF, Broadwater WRF and Maryland City WRF. The wells are required to allow calibration of flow meters.

Location

Countywide

Benefit

The project is needed to meet regulatory reporting requirements.

Amendment History

County Council removed \$50k via AMD #35 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$40,000	Plans and Engineering	\$40,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$151,300	Construction	\$151,300	\$151,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,700	Overhead	\$10,700	\$10,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$202,000	Total	\$202,000	\$202,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802700 WRF Effluent Wells

Class: Wastewater

FY2017 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: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$302,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$200,219	\$44,659	\$244,878
April 1, 2016	\$200,219	\$0	\$200,219

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$202,000	WasteWater Bonds	\$202,000	\$202,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$202,000	Total	\$202,000	\$202,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S802800 Sewer Proj Mgmt

Class: Wastewater

FY2017 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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

FY2017 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, 2015	\$189,726	\$1,627,323	\$1,817,048
April 1, 2016	\$400,390	\$945,306	\$1,345,696

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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

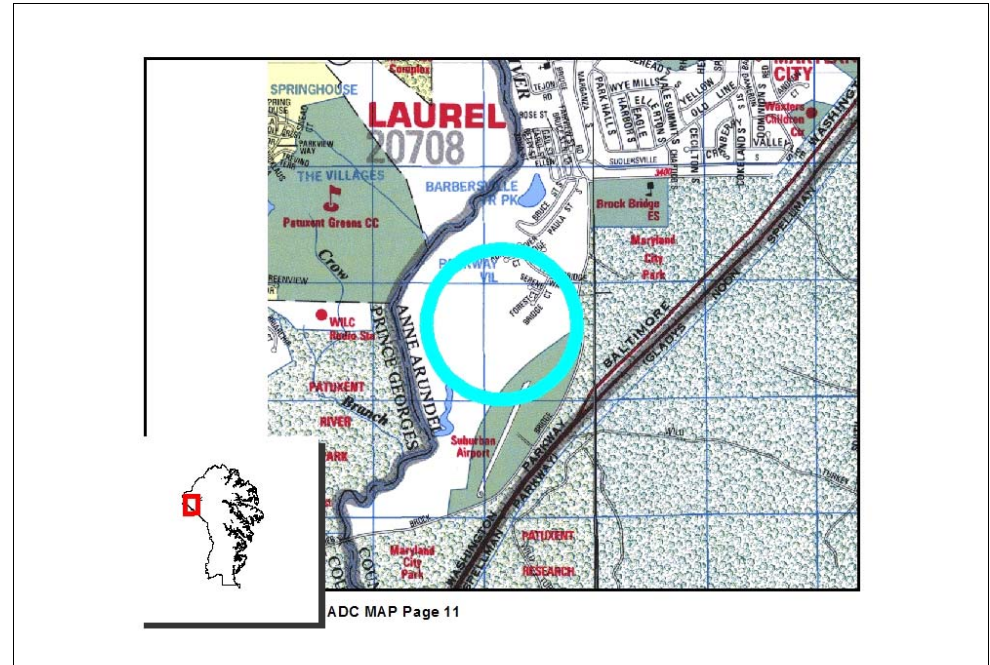
S803000 Maryland City WRF ENR

Class: Wastewater

FY2017 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.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$755,000	Plans and Engineering	\$755,000	\$755,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,243,000	Construction	\$8,243,000	\$8,243,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$532,000	Overhead	\$532,000	\$532,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,536,000	Total	\$9,536,000	\$9,536,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S803000 Maryland City WRF ENR

Class: Wastewater

FY2017

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: None
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, 2015	\$8,885,652	\$481,916	\$9,367,569
April 1, 2016	\$9,248,641	\$196,367	\$9,445,008

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$6,063,000	WasteWater Bonds	\$6,063,000	\$6,063,000	\$0	\$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
\$9,536,000	Total	\$9,536,000	\$9,536,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S803100 Broadneck WRF ENR

Class: Wastewater

FY2017 Council Approved

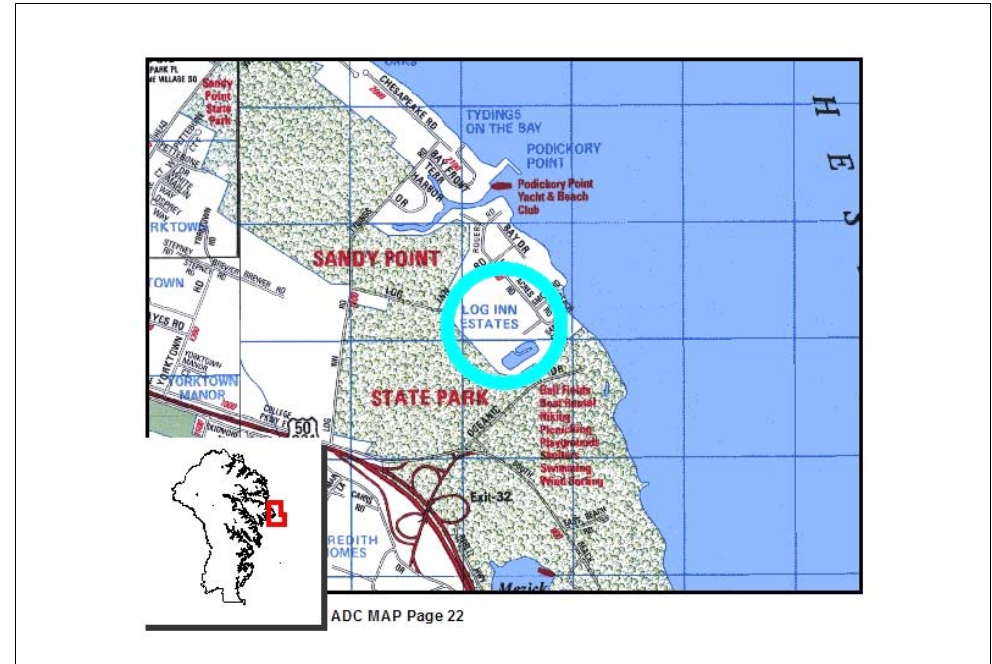
Description

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,225,000	Plans and Engineering	\$1,225,000	\$1,225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$22,843,000	Construction	\$22,843,000	\$22,843,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,701,000	Overhead	\$1,701,000	\$1,701,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,775,000	Total	\$25,775,000	\$25,775,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S803100 Broadneck WRF ENR

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: 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: None
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, 2015	\$22,864,188	\$1,425,708	\$24,289,896
April 1, 2016	\$23,535,062	\$664,250	\$24,199,312

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$17,924,000	WasteWater Bonds	\$17,924,000	\$17,924,000	\$0	\$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	\$25,775,000	\$25,775,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804200 Riva Woods PS Upg

Class: Wastewater

FY2017 Council Approved

Description

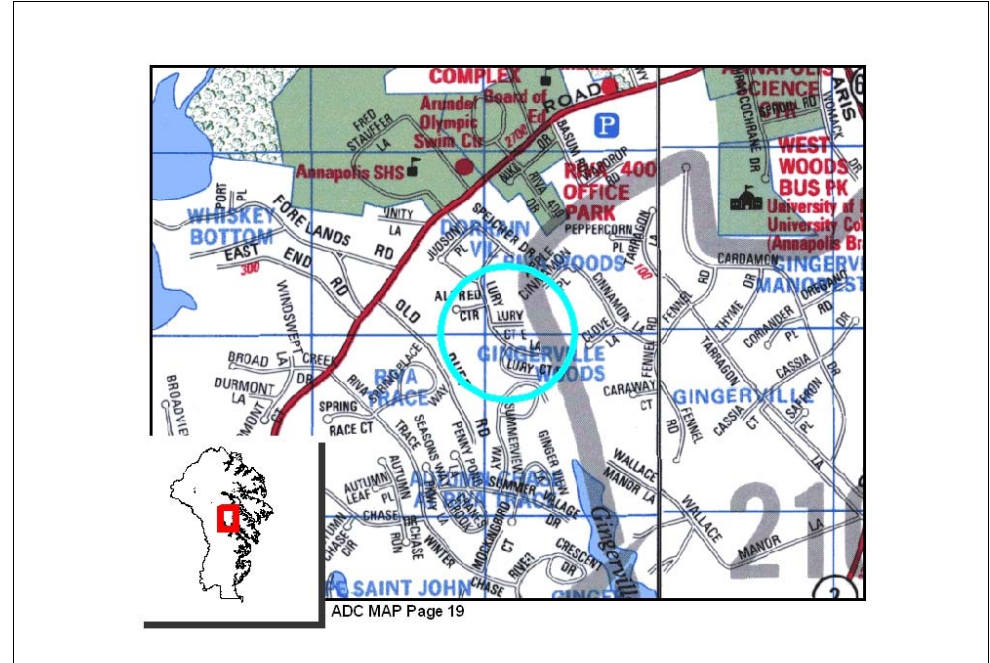
Funds are requested for the design, right of way acquisition and construction of improvements to the Riva Woods Sewage Pumping Station.

Benefit

This project will provide increased capacity and operational reliability for the existing sewage pumping station.

Amendment History

Removed \$34,000 via AMD #13 to Bill 23-14.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$182,000	Plans and Engineering	\$182,000	\$182,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$930,500	Construction	\$930,500	\$930,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$68,000	Overhead	\$68,000	\$68,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,180,500	Total	\$1,180,500	\$1,180,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804200 Riva Woods PS Upg

Class: Wastewater

FY2017

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: None

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 \$925,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,177,722	\$0	\$1,177,722
April 1, 2016	\$1,177,722	\$0	\$1,177,722

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,180,500	WasteWater Bonds	\$1,180,500	\$1,180,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,180,500	Total	\$1,180,500	\$1,180,500	\$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

FY2017 Council Approved

Description

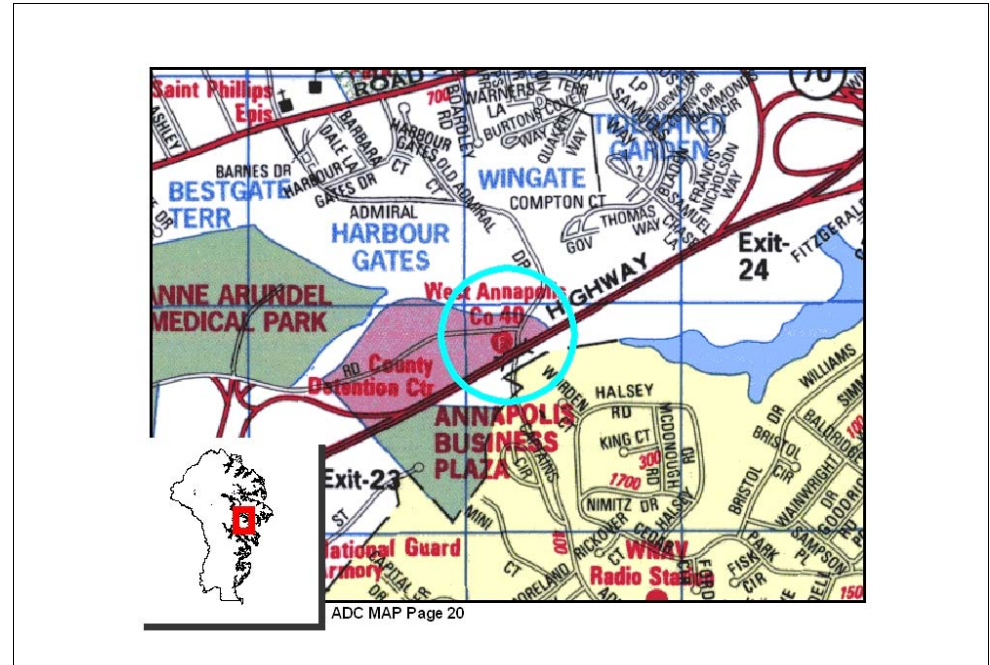
Funds are requested for the design, right of way acquisition and construction of increased capacity for the Jennifer Road Sewage Pumping Station service area. Project may incorporate either the expansion of the existing pumping station or construction of a new station. The project also includes replacement 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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,378,000	Plans and Engineering	\$1,378,000	\$1,378,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$200,000	Land	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,994,000	Construction	\$7,994,000	\$7,994,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$568,000	Overhead	\$568,000	\$568,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,140,000	Total	\$10,140,000	\$10,140,000	\$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

FY2017

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: None
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, 2015	\$5,779,807	\$2,166,739	\$7,946,546
April 1, 2016	\$7,485,011	\$544,491	\$8,029,502

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$10,140,000	WasteWater Bonds	\$10,140,000	\$10,140,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,140,000	Total	\$10,140,000	\$10,140,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804500 Pasadena ES Sewer

Class: Wastewater

FY2017 Council Approved

Description

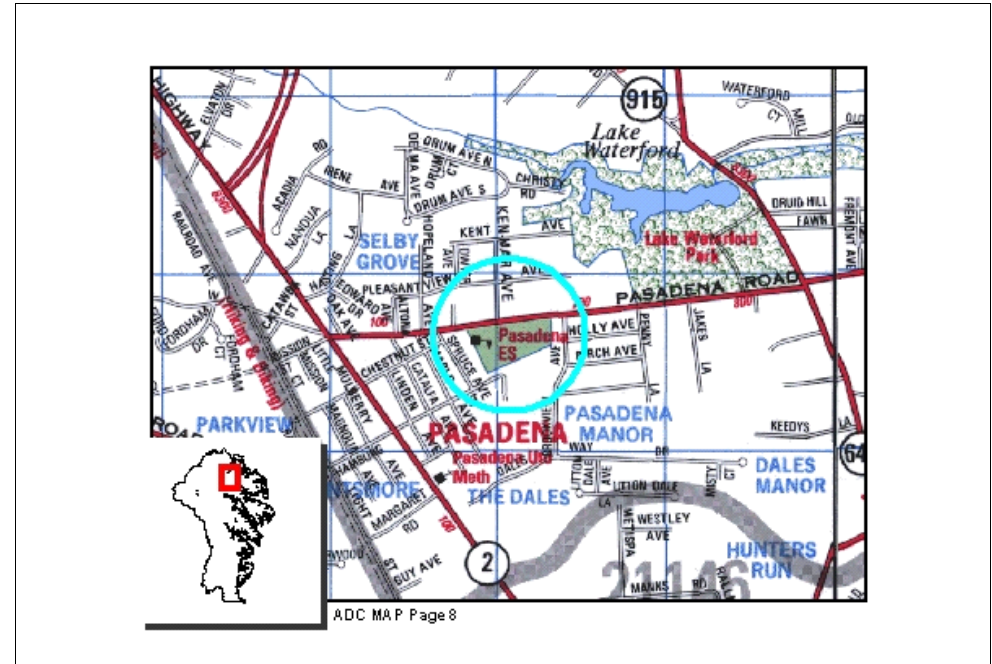
This project is for the design, right of way acquisition and construction of a sewage pumping station and force main to serve the Pasadena Elementary School and a portion of the adjacent drainage area.

Benefit

Service expansion and increased efficiency.

Amendment History

Removed \$98,000 via AMD #1 to Bill 23-14.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$207,000	Plans and Engineering	\$207,000	\$207,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,361,000	Construction	\$1,361,000	\$1,361,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$113,000	Overhead	\$113,000	\$113,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,682,000	Total	\$1,682,000	\$1,682,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804500 Pasadena ES Sewer

Class: Wastewater

FY2017

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: None

Initial Total Project Cost Estimate

FY 2010 \$2,455,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,681,630	\$0	\$1,681,630
April 1, 2016	\$1,681,630	\$0	\$1,681,630

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,150,000	WasteWater Bonds	\$1,150,000	\$1,150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Miscellaneous	\$532,000	\$532,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,150,000	Total	\$1,682,000	\$1,682,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804600 WW System Security

Class: Wastewater

FY2017

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$821,000	Plans and Engineering	\$580,000	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$10,000	Land	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,540,000	Construction	\$1,448,000	\$1,448,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$200,000	Overhead	\$122,000	\$122,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,571,000	Total	\$2,160,000	\$2,160,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,411,000)	\$0	(\$1,411,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804600 WW System Security

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, Construction
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: Deferred FY17 request based on available balance
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, 2015	\$63,580	\$365,133	\$428,713
April 1, 2016	\$66,459	\$365,133	\$431,592

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,571,000	WasteWater PayGo	\$2,160,000	\$2,160,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,571,000	Total	\$2,160,000	\$2,160,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,411,000)	\$0	(\$1,411,000)	\$0	\$0	\$0	\$0	\$0	\$0

S804700 Mill Creek SPS Upg

Class: Wastewater

FY2017 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.

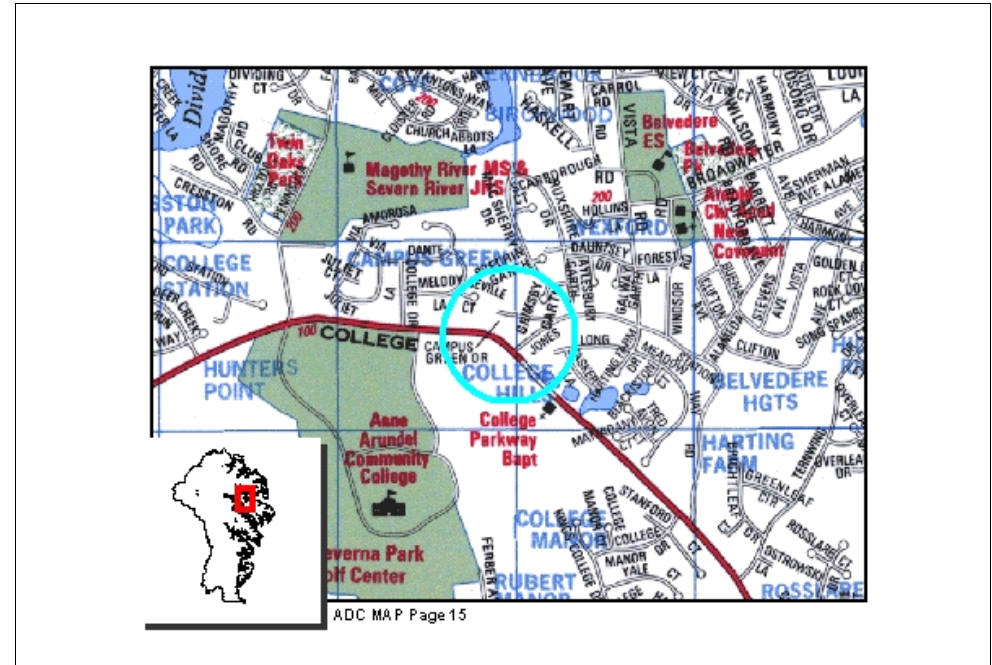
Two year construction funding is proposed.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$990,000	Plans and Engineering	\$990,000	\$990,000	\$0	\$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	\$11,377,000	\$11,377,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S804700 Mill Creek SPS Upg

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction and 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: 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 \$7,310,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$8,613,453	\$1,604,774	\$10,218,227
April 1, 2016	\$10,837,842	\$478,213	\$11,316,056

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$11,377,000	WasteWater Bonds	\$11,377,000	\$11,377,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$11,377,000	Total	\$11,377,000	\$11,377,000	\$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

FY2017 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.

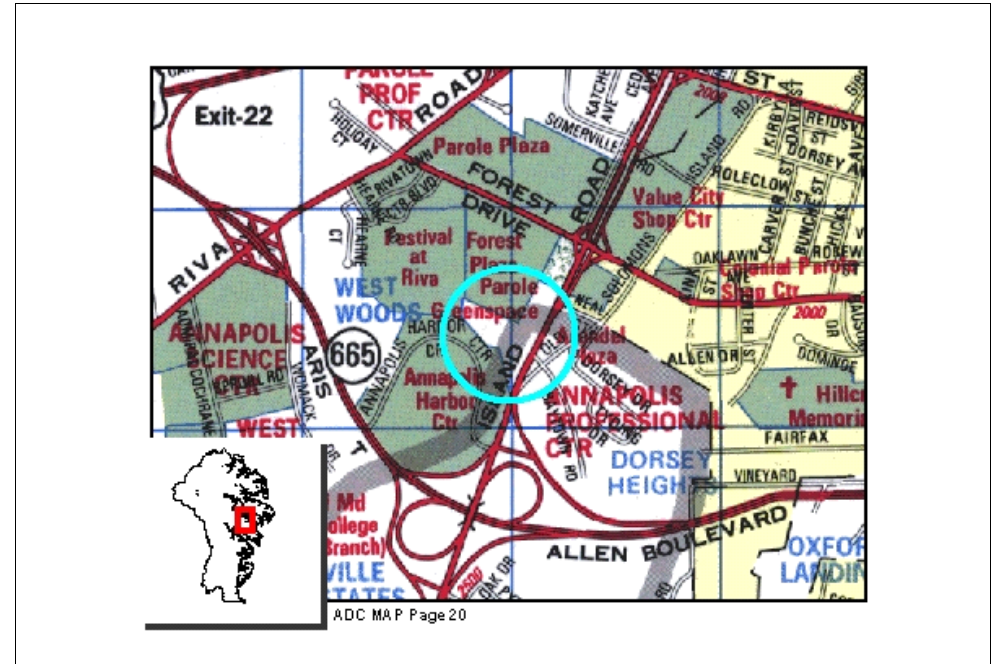
FY14 Description amended to include upgrade of odor control system.

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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$999,000	Plans and Engineering	\$999,000	\$999,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,436,000	Construction	\$3,436,000	\$3,436,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$277,000	Overhead	\$277,000	\$277,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,737,000	Total	\$4,737,000	\$4,737,000	\$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

FY2017

Council Approved

Project Status

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

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, 2015	\$4,371,998	\$222,264	\$4,594,262
April 1, 2016	\$4,630,492	\$992	\$4,631,483

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$4,737,000	WasteWater Bonds	\$4,737,000	\$4,737,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,737,000	Total	\$4,737,000	\$4,737,000	\$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

FY2017 Council Approved

Description

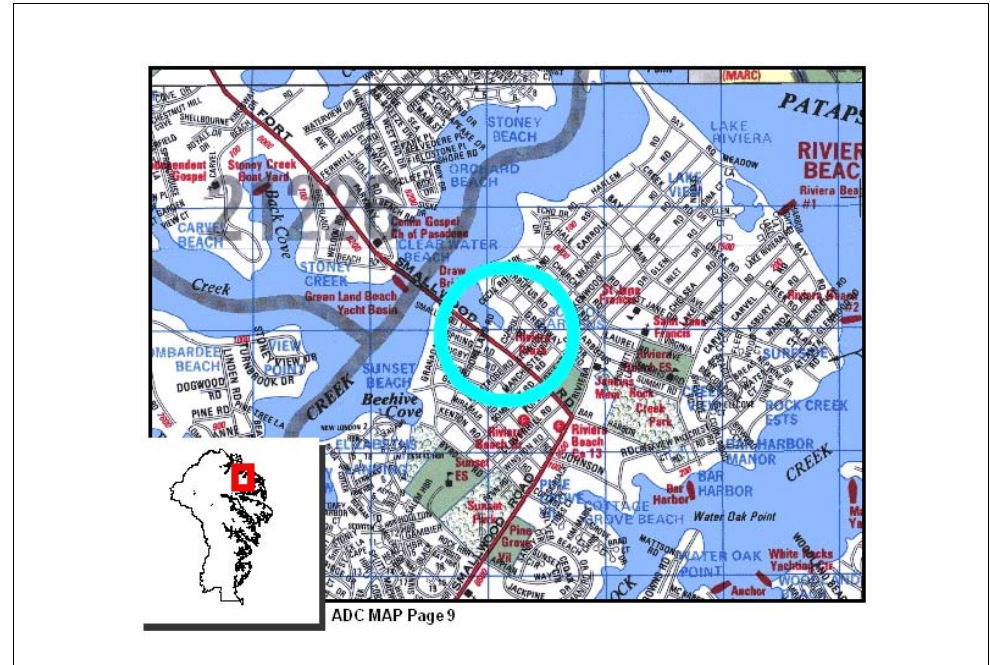
Funds are requested for the planning, design, right of way acquisition and construction of overflow structure modifications and pump station reliability improvements necessary to minimize risks of sanitary sewer overflows from the Riviera Beach Sewage Pump Station.

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.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$483,000	Plans and Engineering	\$483,000	\$483,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$50,000	Land	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,765,000	Construction	\$2,765,000	\$2,765,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$340,000	Overhead	\$340,000	\$340,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,638,000	Total	\$3,638,000	\$3,638,000	\$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

FY2017

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: 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, 2015	\$553,496	\$1,135,858	\$1,689,354
April 1, 2016	\$1,585,596	\$248,594	\$1,834,190

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,638,000	WasteWater Bonds	\$3,638,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,638,000	Total	\$3,638,000	\$3,638,000	\$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

FY2017 Council Approved

Description

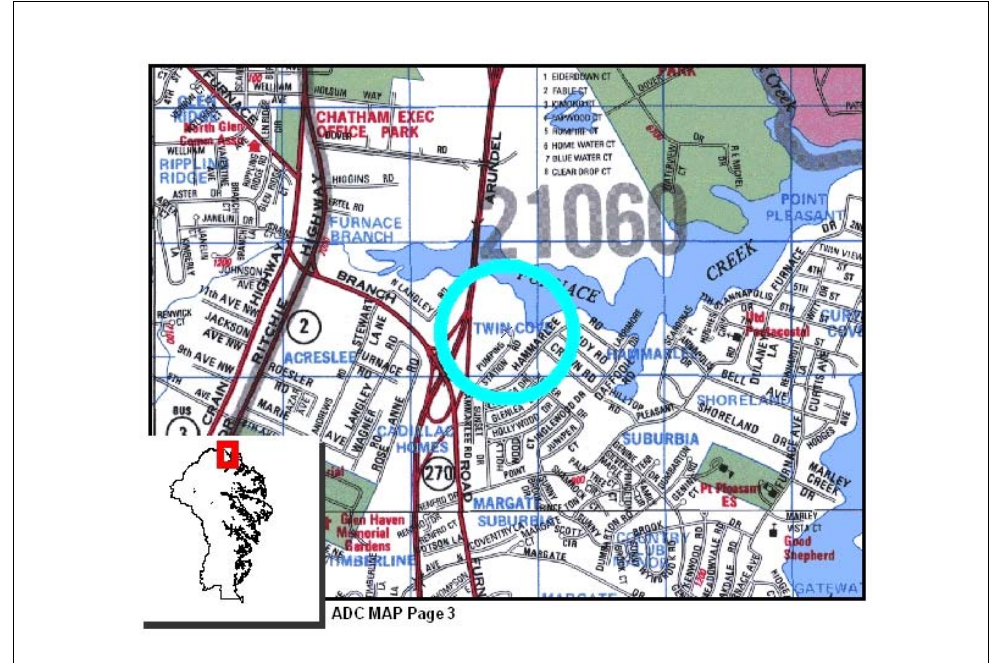
Funds are requested for the planning, design, right of way acquisition and construction of overflow structure modifications and pump station reliability improvements necessary to minimize risks of sanitary sewer overflows from the Cinder Cove Sewage Pump Station.

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$656,000	Plans and Engineering	\$656,000	\$656,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$25,000	Land	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$9,498,000	Construction	\$9,498,000	\$9,498,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$586,000	Overhead	\$385,000	\$586,000	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,765,000	Total	\$10,564,000	\$10,765,000	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$201,000)	\$0	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0

S805300 Cinder Cove SPS Mods

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction & Performance
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: 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 \$8,620,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$779,044	\$5,860,006	\$6,639,050
April 1, 2016	\$1,084,788	\$5,752,921	\$6,837,709

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$10,765,000	WasteWater Bonds	\$10,564,000	\$10,765,000	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,765,000	Total	\$10,564,000	\$10,765,000	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$201,000)	\$0	(\$201,000)	\$0	\$0	\$0	\$0	\$0	\$0

S806000 Chesapeake Bch WWTP

Class: Wastewater

FY2017 Council Approved

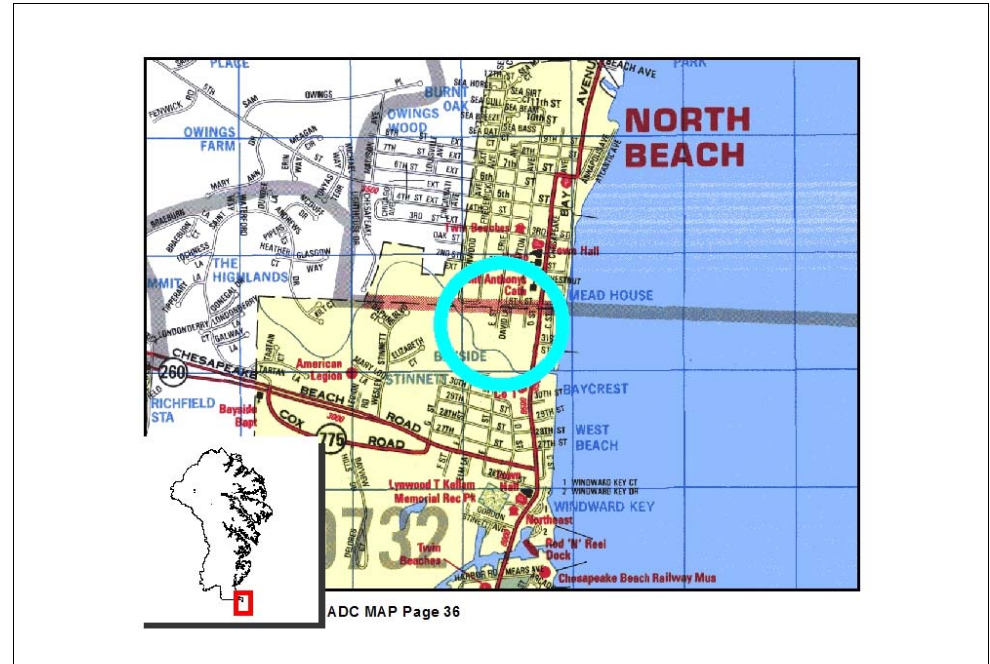
Description

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$2,166,000	Other	\$2,166,000	\$2,166,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,166,000	Total	\$2,166,000	\$2,166,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806000 Chesapeake Bch WWTP

Class: Wastewater

FY2017 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: 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 \$931,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,418,791	\$0	\$1,418,791
April 1, 2016	\$1,651,561	\$9,939	\$1,661,500

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$2,166,000	WasteWater Bonds	\$2,166,000	\$2,166,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,166,000	Total	\$2,166,000	\$2,166,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806600 Maryland City WRF Exp

Class: Wastewater

FY2017 Council Approved

Description

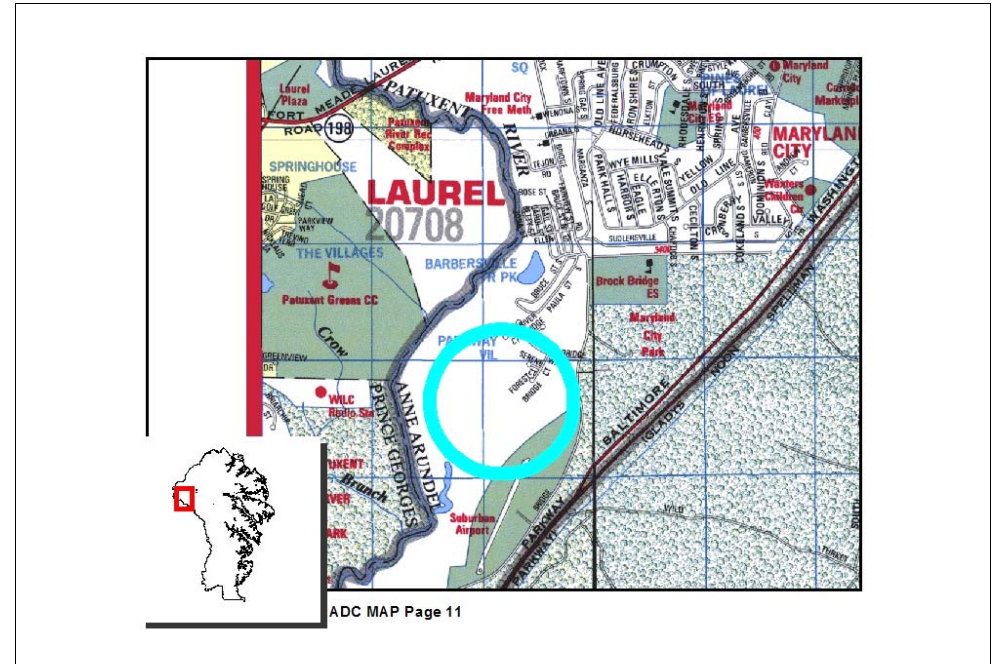
Funds are requested for the design, land acquisition and construction of an expansion of the Maryland City WRF to a capacity of 3.7 MGD. The project will include the addition of a new process train including tankage, process units, modifications to existing facilities, upgrade of the headworks and all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



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$5,023,000	Plans and Engineering	\$5,023,000	\$5,023,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$40,891,000	Construction	\$40,891,000	\$40,891,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,837,600	Overhead	\$1,837,600	\$1,837,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$47,752,600	Total	\$47,752,600	\$47,752,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806600 Maryland City WRF Exp

Class: Wastewater

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction and Performance
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: 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 \$15,495,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$4,176,807	\$35,713,024	\$39,889,831
April 1, 2016	\$15,301,355	\$25,202,233	\$40,503,587

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$47,752,600	WasteWater Bonds	\$44,068,600	\$47,752,600	(\$3,684,000)	\$0	\$0	\$0	\$0	\$0	\$0
	Bond Premium	\$3,684,000	\$0	\$3,684,000	\$0	\$0	\$0	\$0	\$0	\$0
\$47,752,600	Total	\$47,752,600	\$47,752,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

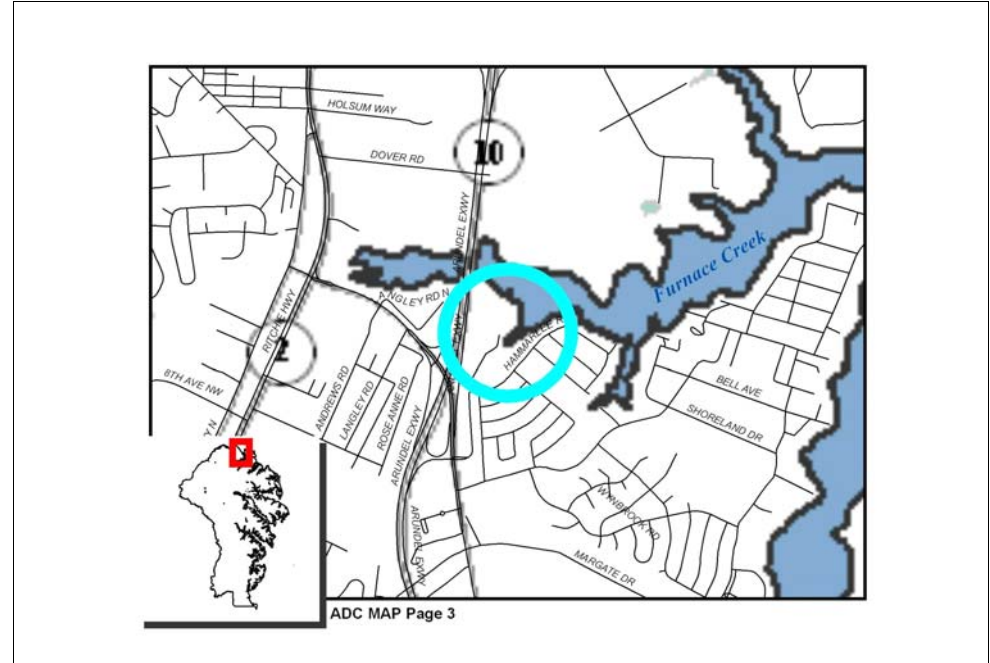
S806700 Cinder Cove FM Rehab

Class: Wastewater

FY2017 Council Approved

Description

Funds are requested for the design, right of way acquisition, and construction of approximately 10,000 linear feet of 30" 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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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

FY2017

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: 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, 2015	\$295,332	\$492,223	\$787,555
April 1, 2016	\$352,661	\$507,297	\$859,958

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$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

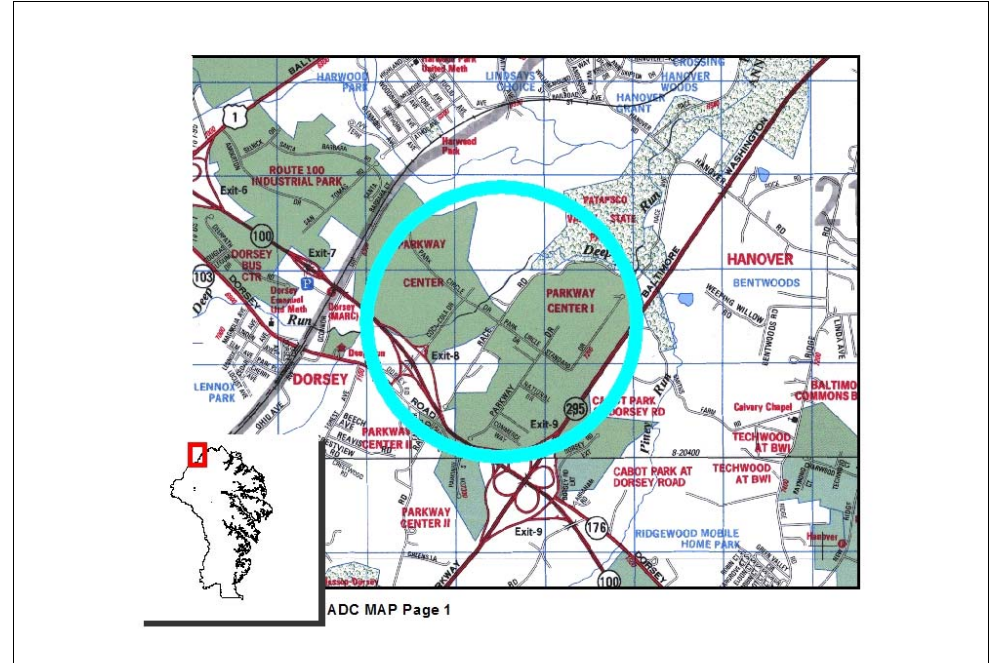
S806800 Parkway Ind Park Sewer Rehab

Class: Wastewater

FY2017 Council Approved

Description

Funds are requested for the rehabilitation to County standards and subsequent takeover by the County of the sewer collection system in the Parkway Industrial Park. The project is in response to a valid petition filed by 30 properties.



Benefit

Extension of public sewer in response to a valid petition. Expansion of customer base and environmental protection through improved wastewater treatment.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,000	Plans and Engineering	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$410,000	Construction	\$410,000	\$410,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$26,000	Overhead	\$26,000	\$26,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$438,000	Total	\$438,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S806800 Parkway Ind Park Sewer Rehab

Class: Wastewater

FY2017

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: 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: Potential savings/cost avoidance

Initial Total Project Cost Estimate

FY 2011 \$438,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$147,794	\$0	\$147,794
April 1, 2016	\$171,400	\$0	\$171,400

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$438,000	WasteWater Bonds	\$438,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$438,000	Total	\$438,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807200 Tanglewood Two Sewer

Class: Wastewater

FY2017 Council Approved

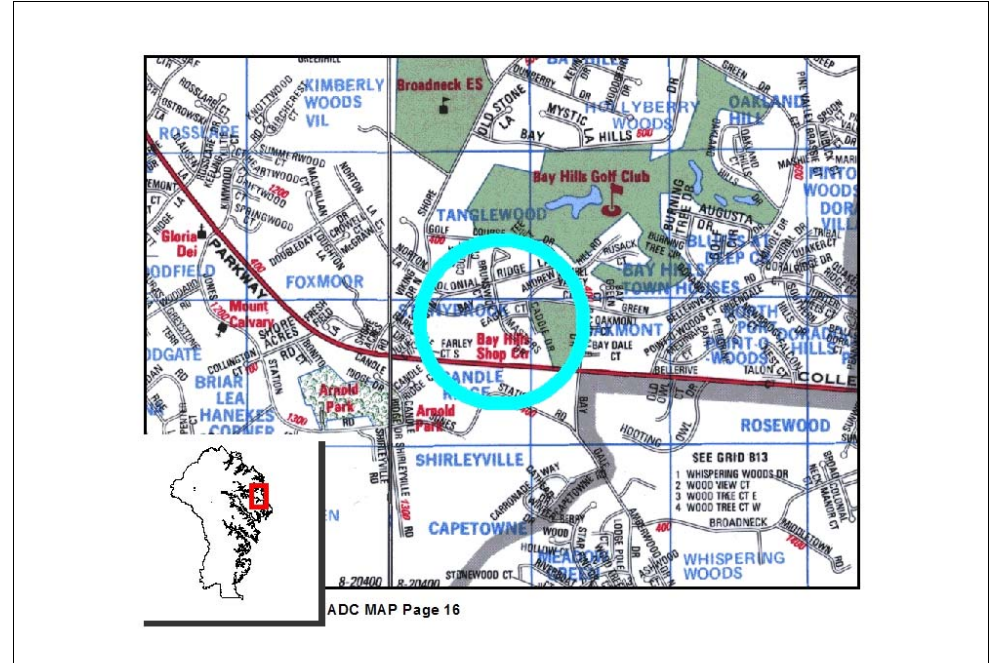
Description

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 FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$5,000	Plans and Engineering	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$523,000	Construction	\$523,000	\$523,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$37,000	Overhead	\$37,000	\$37,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$572,000	Total	\$572,000	\$572,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

S807200 Tanglewood Two Sewer

Class: Wastewater

FY2017

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: 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 2016 \$572,000

Financial Activity

Expended	Encumbered	Total
April 1, 2015	\$0	\$0
April 1, 2016	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$572,000	WasteWater Bonds	\$572,000	\$572,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$572,000	Total	\$572,000	\$572,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

X749000 Agreements W/Developers

Class: Wastewater

FY2017

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, 2015	\$170,322	\$13,096	\$183,418
April 1, 2016	\$149,424	\$1,479	\$150,903

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,250,253	Developer Contribution	\$3,165,376	\$3,165,376	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,250,253	Total	\$3,165,376	\$3,165,376	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$84,877)	(\$84,877)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

X764200 WW Project Planning

Class: Wastewater

FY2017 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Conducted Mid-Size Sewer Extension Study; Developed Small CIP Program Plan PH 2; Developed Septic Sys Tracking and Reporting Procedures.
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: No FY17 funding requested based on available fund balance.
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, 2015	\$593,970	\$335,954	\$929,925
April 1, 2016	\$563,512	\$581,528	\$1,145,040

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$3,968,664	WasteWater PayGo	\$3,815,652	\$3,815,652	\$0	\$0	\$0	\$0	\$0	\$0	
	Conv. PayGo Enterpris	\$105,679	\$105,679	\$0	\$0	\$0	\$0	\$0	\$0	
\$3,968,664	Total	\$3,921,331	\$3,921,331	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$47,333)	(\$47,333)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

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