

Water

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Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Project Class Water									
W741400	Chg Against Wtr Clsd Projects	\$220,866	\$220,866	\$0	\$0	\$0	\$0	\$0	\$0
W744400	Exist Well Redev/Repl	\$23,150,774	\$8,750,774	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000
W753400	Demo Abandoned Facilities	\$515,723	\$515,723	\$0	\$0	\$0	\$0	\$0	\$0
W777600	Gibson Island WTP Upgr	\$1,511,779	\$1,511,779	\$0	\$0	\$0	\$0	\$0	\$0
W778400	TM Odenton to GB High P Zone	\$13,846,718	\$14,338,718	(\$492,000)	\$0	\$0	\$0	\$0	\$0
W778600	Crofton Meadows II WTP Upgr	\$17,151,173	\$17,151,173	\$0	\$0	\$0	\$0	\$0	\$0
W778800	Water Strategic Plan	\$1,971,007	\$1,671,007	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
W783000	Cape St Claire Rd TM	\$1,109,000	\$1,109,000	\$0	\$0	\$0	\$0	\$0	\$0
W787800	Fire Hydrant Rehab	\$5,376,674	\$3,276,674	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
W793200	TM Meade to Jessup	\$1,347,200	\$2,557,200	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0
W793400	Disney Road Booster Station	\$4,665,000	\$4,831,000	(\$166,000)	\$0	\$0	\$0	\$0	\$0
W797600	Independent Well Upgrd	\$2,171,058	\$2,171,058	\$0	\$0	\$0	\$0	\$0	\$0
W799400	Severndale WTP Upgrade PH III	\$3,963,796	\$3,963,796	\$0	\$0	\$0	\$0	\$0	\$0
W799600	Elevated Water Storage	\$69,187,827	\$54,602,827	\$11,700,000	\$0	\$0	\$2,885,000	\$0	\$0
W800200	Water System Security	\$5,413,806	\$5,413,806	\$0	\$0	\$0	\$0	\$0	\$0
W800300	Balto City Water Main Rpr	\$4,277,526	\$5,277,526	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0
W801200	12" St Marg/Old Mill Bttm	\$6,969,000	\$3,836,000	\$3,133,000	\$0	\$0	\$0	\$0	\$0
W801300	16" Reidel to Rte 3	\$3,366,100	\$3,366,100	\$0	\$0	\$0	\$0	\$0	\$0
W801400	Crofton Meadows II Exp Ph 2	\$35,077,000	\$5,268,000	\$1,429,000	\$8,545,000	\$8,545,000	\$11,290,000	\$0	\$0
W801600	TM-MD Rte 32 @ Meade	\$33,117,800	\$8,549,800	\$1,114,000	\$7,818,000	\$7,818,000	\$7,818,000	\$0	\$0
W801700	Glen Burnie High Zone	\$5,847,000	\$5,647,000	\$200,000	\$0	\$0	\$0	\$0	\$0
W801800	Arnold WTP Exp	\$4,736,017	\$4,736,017	\$0	\$0	\$0	\$0	\$0	\$0
W803300	WTR Infrastr Up/Retro	\$5,841,090	\$4,141,090	(\$800,000)	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
W803400	Water Proj Mgmt	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
W803500	Hospital Drive WTR Ext	\$1,176,000	\$1,176,000	\$0	\$0	\$0	\$0	\$0	\$0
W803600	East/West TM - North	\$51,235,000	\$19,235,000	\$0	\$0	\$8,000,000	\$8,000,000	\$8,000,000	\$8,000,000
W803700	Sylvan Shores Water	\$4,464,000	\$4,464,000	\$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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
W804000	Broad Creek WTP Exp	\$34,628,015	\$26,626,015	\$1,470,000	\$3,266,000	\$3,266,000	\$0	\$0	\$0
W804200	Withernsea WTP	\$346,000	\$892,000	(\$546,000)	\$0	\$0	\$0	\$0	\$0
W804300	New Cut WTP	\$176,000	\$1,176,000	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0
W804500	North Co Water Dist Imp	\$7,054,000	\$7,054,000	\$0	\$0	\$0	\$0	\$0	\$0
W804600	Balt City - Fullerton WTP	\$106,000	\$106,000	\$0	\$0	\$0	\$0	\$0	\$0
W805000	Water Fac Emerg Generators	\$14,395,000	\$9,083,000	(\$2,500,000)	\$0	\$1,953,000	\$1,953,000	\$1,953,000	\$1,953,000
W805400	Pike Drive Water Extension	\$770,000	\$770,000	\$0	\$0	\$0	\$0	\$0	\$0
W805500	Arnold Lime System Upgrade	\$6,129,000	\$6,129,000	\$0	\$0	\$0	\$0	\$0	\$0
W805600	Dorsey Lime System Upgrade	\$3,068,000	\$305,000	\$0	\$2,763,000	\$0	\$0	\$0	\$0
W805700	Heritage Harbor Wtr Takeover	\$1,242,000	\$0	\$159,000	\$1,083,000	\$0	\$0	\$0	\$0
W805800	Whiskey Bottom Road Interconn	\$3,205,000	\$0	\$325,000	\$2,880,000	\$0	\$0	\$0	\$0
X733700	Water Main Repl/Recon	\$57,601,854	\$20,401,854	\$6,200,000	\$6,200,000	\$6,200,000	\$6,200,000	\$6,200,000	\$6,200,000
X764300	Water Proj Planning	\$1,664,423	\$1,514,423	\$150,000	\$0	\$0	\$0	\$0	\$0
X787000	Water Storage Tank Painting	\$34,678,030	\$23,332,030	\$2,947,000	\$2,094,000	\$2,088,000	\$2,087,000	\$1,923,000	\$207,000
Y514200	Routine Water Extensions	\$1,738,911	\$938,911	(\$200,000)	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total Water		\$476,511,167	\$288,110,167	\$23,713,000	\$38,149,000	\$41,370,000	\$43,733,000	\$21,576,000	\$19,860,000

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Funding Detail							Council Approved		
Project	Project Title	Total	Prior	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Project Class Water									
Bonds									
	Water Bonds	\$410,843,295	\$249,577,295	\$19,138,000	\$33,471,000	\$36,695,000	\$39,058,000	\$16,967,000	\$15,937,000
	Bonds	\$410,843,295	\$249,577,295	\$19,138,000	\$33,471,000	\$36,695,000	\$39,058,000	\$16,967,000	\$15,937,000
PayGo									
	Water PayGo	\$52,238,632	\$25,459,632	\$4,219,000	\$4,678,000	\$4,675,000	\$4,675,000	\$4,609,000	\$3,923,000
	PayGo	\$52,238,632	\$25,459,632	\$4,219,000	\$4,678,000	\$4,675,000	\$4,675,000	\$4,609,000	\$3,923,000
Grants & Aid									
	Other Fed Grants	\$1,078,240	\$1,078,240	\$0	\$0	\$0	\$0	\$0	\$0
	Other State Grants	\$1,261,000	\$905,000	\$356,000	\$0	\$0	\$0	\$0	\$0
	Grants & Aid	\$2,339,240	\$1,983,240	\$356,000	\$0	\$0	\$0	\$0	\$0
Other									
	Developer Contribution	\$430,000	\$430,000	\$0	\$0	\$0	\$0	\$0	\$0
	Project Reimbursement	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
	Bond Premium	\$8,660,000	\$8,660,000	\$0	\$0	\$0	\$0	\$0	\$0
	Other	\$11,090,000	\$11,090,000	\$0	\$0	\$0	\$0	\$0	\$0
	Water	\$476,511,167	\$288,110,167	\$23,713,000	\$38,149,000	\$41,370,000	\$43,733,000	\$21,576,000	\$19,860,000

W741400 Chg Against Wtr Clsd Projects

Class: Water

FY2018

Council Approved

Description

Funds are approved to allow for settlement of claims and items required in Project Performance Phase on Water Capital Projects which have been closed out prior to the settlement of the claims.

Location

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

Countywide

Benefit

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

Amendment History

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

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$663,390	Other	\$220,866	\$220,866	\$0	\$0	\$0	\$0	\$0	\$0	
\$663,390	Total	\$220,866	\$220,866	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$344,690)	(\$344,690)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W741400 Chg Against Wtr Clsd Projects

Class: Water

FY2018

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	\$439,546	\$2,978	\$442,524
April 1, 2016	\$0	\$0	\$0

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$414,506	Water Bonds	\$220,866	\$220,866	\$0	\$0	\$0	\$0	\$0	\$0	
\$151,050	Water PayGo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$565,556	Total	\$220,866	\$220,866	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$344,690)	(\$344,690)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W744400 Exist Well Redev/Repl

Class: Water

FY2018

Council Approved

Description

Funds were approved and are programmed for existing raw water well redevelopment and for existing well pump replacement. The existing raw water wells have to be redeveloped to maintain pumping rates, screens need to be cleaned, and if necessary, pumps and columns completely replaced.

Redevelopment to continue such that each well is redeveloped approximately once every 10 years. Included in this project is the replacement and/or remediation of existing aging and failing wells as required.

Location

Countywide

Benefit

This is an on-going project to investigate and redevelop as needed all existing raw water wells (approximately 56 wells) to ensure that all wells will continue to operate at optimum rates.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$2.5m via AMD #149, \$3,140,000 via AMD #195, and added \$640k/year for Fys 17-21 via AMD #199 to Bill 29-15. CC removed \$400,000 via AMD #51 to Bill 31-16.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$2,794,148	Plans and Engineering	\$3,094,148	\$1,294,148	\$300,000	\$300	\$300	\$300	\$300	\$300	
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$13,591,852	Construction	\$18,817,248	\$6,901,248	\$1,986,000	\$1,986	\$1,986	\$1,986	\$1,986	\$1,986	
\$1,109,472	Overhead	\$1,237,273	\$553,273	\$114,000	\$114	\$114	\$114	\$114	\$114	
\$13,000	Furn., Fixtures and Equip.	\$13,000	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	
(\$10,895)	Other	(\$10,895)	(\$10,895)	\$0	\$0	\$0	\$0	\$0	\$0	
\$17,497,576	Total	\$23,150,774	\$8,750,774	\$2,400,000	\$2,400	\$2,400	\$2,400	\$2,400	\$2,400	
More (Less) Than Prior Year Program:		\$5,653,198	(\$746,802)	\$800,000	\$800	\$800	\$800	\$800	\$2,400	Multi-Yr

W744400 Exist Well Redev/Repl

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Complete Construction & Performance of Crofton Meadows 4,6,7. Complete Design and begin Construction of Severndale 3, Crofton Meadows 5, Rose Haven 1&2, Severndale 8, Harundale 1 & 3, Dorsey Road 2R,20 23 and Broad Creek 5.
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: Increased Funding FY 18 thru FY22 and Added FY 23 Funding.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1987 \$4,380,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,450,261	\$3,576,386	\$6,026,647
April 1, 2016	\$4,724,387	\$3,539,297	\$8,263,684

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,926,770	Water Bonds	\$12,081,546	\$3,441,546	\$1,440,000	\$1,440	\$1,440	\$1,440	\$1,440	\$1,440	
\$11,570,807	Water PayGo	\$9,069,228	\$3,309,228	\$960,000	\$960	\$960	\$960	\$960	\$960	
\$2,000,000	Bond Premium	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$17,497,576	Total	\$23,150,774	\$8,750,774	\$2,400,000	\$2,400	\$2,400	\$2,400	\$2,400	\$2,400	
More (Less) Than Prior Year Program:		\$5,653,198	(\$746,802)	\$800,000	\$800	\$800	\$800	\$800	\$2,400	Multi-Yr

W753400 Demo Abandoned Facilities

Class: Water

FY2018

Council Approved

Description

Funds are approved, requested and programmed to demolish various facilities which are no longer in service.

The facilities include, but are not limited to, Pines WTP; Dorsey Wells #1,3,4,11,14 and #15; Severna Park Booster Station; Ft. Smallwood BPS; Riviera Beach Standpipe; Sawmill Wells; Glen Burnie Park BPS; Thelma Ave SCW; Sawmill WTP; MD City Ind Wells 1,2,3,& 4; Quarterfield GR Storage Tank, Pasadena EWT, Marley BPS, Crofton Meadows I WTP treatment basins, Ft. Meade BPS and Glendale SCW.

Project description amended in FY16 to include Amberly Water Treatment Plant.

Location

Countywide

Benefit

Demolition of these facilities will allow the county to dispose of excess land.

Amendment History

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

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$66,267	Plans and Engineering	\$66,267	\$66,267	\$0	\$0	\$0	\$0	\$0	\$0	
\$421,782	Construction	\$421,782	\$421,782	\$0	\$0	\$0	\$0	\$0	\$0	
\$27,674	Overhead	\$27,674	\$27,674	\$0	\$0	\$0	\$0	\$0	\$0	
\$515,723	Total	\$515,723	\$515,723	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W753400 Demo Abandoned Facilities

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Initiate studies to abandon Amberly WTP.
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 1995 \$100,000

Financial Activity

Expended	Encumbered	Total
April 1, 2015	\$0	\$0
April 1, 2016	\$28,769	\$46,274
		\$75,044

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$515,723	Water PayGo	\$515,723	\$515,723	\$0	\$0	\$0	\$0	\$0	\$0	
\$515,723	Total	\$515,723	\$515,723	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W777600 Gibson Island WTP Upgr

Class: Water

FY2018

Council Approved

Description

Funds are programmed to design and construct upgrades to the treatment and chemical handling systems at the existing Gibson Island WTP and ground storage tank.

Benefit

Upgrade of existing systems and increased reliability and efficiency.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$796,000	Plans and Engineering	\$198,593	\$198,593	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$178,000	Land	\$178,000	\$178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,702,000	Construction	\$1,026,138	\$1,026,138	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$237,000	Overhead	\$109,049	\$109,049	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,913,000	Total	\$1,511,779	\$1,511,779	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$2,401,221)	(\$2,401,221)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W777600 Gibson Island WTP Upgr

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Complete
3. Action Required To Complete None, 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 1996 \$790,400

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$3,781,476	\$63,449	\$3,844,924
April 1, 2016	\$1,397,460	\$53,368	\$1,450,828

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,913,000	Water Bonds	\$1,511,779	\$1,511,779	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,913,000	Total	\$1,511,779	\$1,511,779	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$2,401,221)	(\$2,401,221)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W778400 TM Odenton to GB High P Zone

Class: Water

FY2018

Council Approved

Description

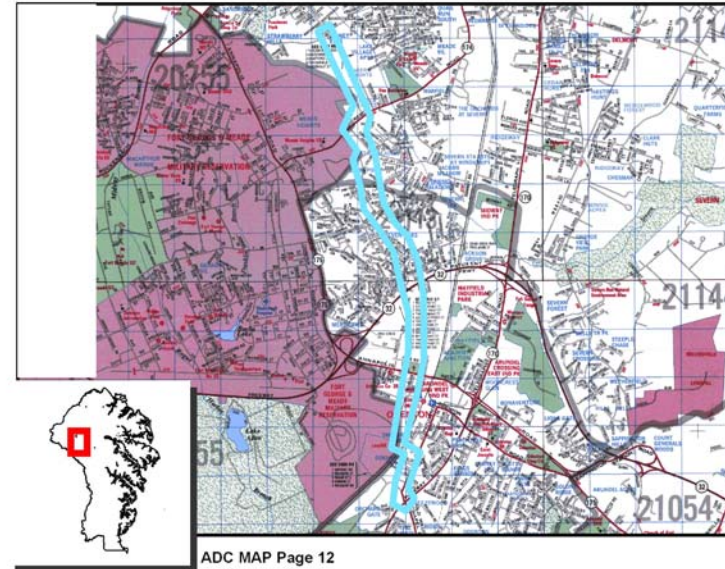
This is to design and construct 32,000 feet of 36" Transmission Main from the intersection of Waugh Chapel Road and Chapelgate Road to Disney Road.

Benefit

The water main is a portion of the facilities required to provide water service to Jessup/Maryland City Service Area as provided for in the County Water Strategic Plan.

Amendment History

Removed \$2,891,000 via AMD #2 to Bill 23-14. County Council removed \$650k via AMD #45 to Bill 29-15. CC removed \$148k via AMD #37 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,039,000	Plans and Engineering	\$1,296,816	\$912,816	\$384,000	\$0	\$0	\$0	\$0	\$0	\$0
\$726,000	Land	\$298,137	\$622,137	(\$324,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$19,681,000	Construction	\$11,526,552	\$12,757,552	(\$1,231,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$490,000	Overhead	\$725,213	\$46,213	\$679,000	\$0	\$0	\$0	\$0	\$0	\$0
\$21,936,000	Total	\$13,846,718	\$14,338,718	(\$492,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$8,089,282)	(\$7,597,282)	(\$492,000)	\$0	\$0	\$0	\$0	\$0	\$0

W778400 TM Odenton to GB High P Zone

Class: Water

FY2018

Council Approved

Project Status

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

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decreased Based on Actual Costs
3. Change In Scope: None
4. Change In Timing: None

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

Initial Total Project Cost Estimate

FY 1996 \$1,336,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$21,358,785	\$177,274	\$21,536,059
April 1, 2016	\$13,820,546	\$153,417	\$13,973,963

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$21,936,000	Water Bonds	\$13,846,718	\$14,338,718	(\$492,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$21,936,000	Total	\$13,846,718	\$14,338,718	(\$492,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$8,089,282)	(\$7,597,282)	(\$492,000)	\$0	\$0	\$0	\$0	\$0	\$0

W778600 Crofton Meadows II WTP Upgr

Class: Water

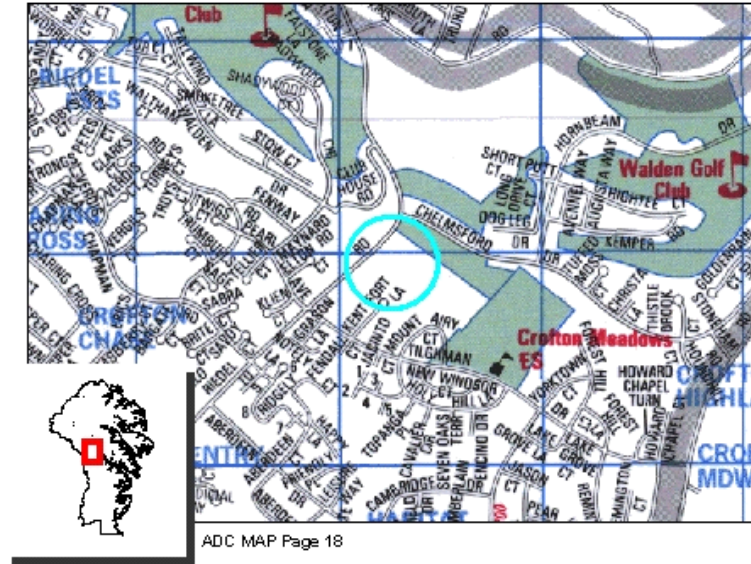
FY2018

Council Approved

Description

Funds are programmed to increase the capacity of the Crofton Meadows II WTP from 5 to 15 mgd by adding additional sedimentation basins, filters, and raw water wells.

The construction of this project is funded over two years.



Benefit

To meet future demand in Ft. Meade East Water Service Area.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,627,000	Plans and Engineering	\$1,326,358	\$1,326,358	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$662,000	Land	\$662,000	\$662,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$33,302,000	Construction	\$13,801,839	\$13,801,839	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,606,000	Overhead	\$1,360,976	\$1,360,976	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$41,197,000	Total	\$17,151,173	\$17,151,173	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$24,045,827)	(\$24,045,827)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W778600 Crofton Meadows II WTP Upgr

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design of Raw Water TM and Production Wells CM12 and CM13.
3. Action Required To Complete This Project: Construction and Performance of Raw Water TM and Production Wells 12 and 13.

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 1996 \$6,670,200

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$24,667,793	\$30,760	\$24,698,553
April 1, 2016	\$652,276	\$434,569	\$1,086,845

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$41,197,000	Water Bonds	\$17,151,173	\$17,151,173	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$41,197,000	Total	\$17,151,173	\$17,151,173	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$24,045,827)	(\$24,045,827)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W778800 Water Strategic Plan

Class: Water

FY2018

Council Approved

Description

This is to fund the update of the Comprehensive Strategic Water Plan, the Master Plan and to Fund the County's Interest in Well Head Protection. Funding through this project will also be used for the development of water strategic plans for the orderly programming and construction planning of water facilities.

Location

Countywide

Benefit

Orderly programming for construction of water facilities and compliance with Federal and State requirements.

Amendment History

County Council removed \$50k via AMD #87 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,850,000	Plans and Engineering	\$1,868,273	\$1,582,673	\$47,600	\$48	\$48	\$48	\$48	\$48	
\$110,000	Overhead	\$102,734	\$88,334	\$2,400	\$2	\$2	\$2	\$2	\$2	
\$1,960,000	Total	\$1,971,007	\$1,671,007	\$50,000	\$50	\$50	\$50	\$50	\$50	
More (Less) Than Prior Year Program:		\$11,007	(\$38,993)	\$0	\$0	\$0	\$0	\$0	\$50	Multi-Yr

W778800 Water Strategic Plan

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Completed Comprehensive Water Strategic Plan Update
3. Action Required To Complete This Project: Complete Ground Water Availability Analysis; Continue Other Planning Area Strategic Plan Analysis.

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Added FY23 Funding
3. Change In Scope: None
4. Change in Timing: Multi Year

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1996 \$260,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,315,214	\$5,014	\$1,320,228
April 1, 2016	\$1,353,601	\$174,919	\$1,528,520

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,960,000	Water PayGo	\$1,971,007	\$1,671,007	\$50,000	\$50	\$50	\$50	\$50	\$50	
\$1,960,000	Total	\$1,971,007	\$1,671,007	\$50,000	\$50	\$50	\$50	\$50	\$50	
More (Less) Than Prior Year Program:		\$11,007	(\$38,993)	\$0	\$0	\$0	\$0	\$0	\$50	Multi-Yr

W783000 Cape St Claire Rd TM

Class: Water

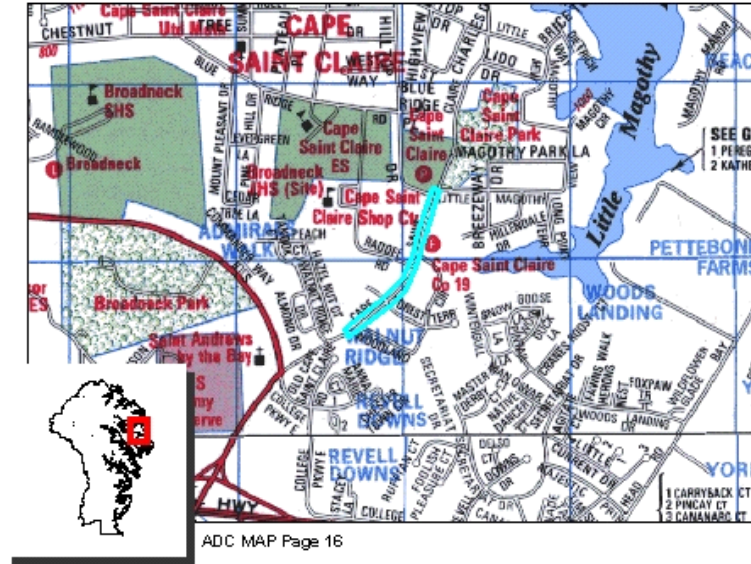
FY2018

Council Approved

Description

This project is to construct a Water Transmission Main in Cape St. Claire Road between Woodland Drive and Hilltop Road.

This project is being coordinated with the Cape St. Claire Road Upgrade Project H-4610 in the Roads and Bridges Class.



Benefit

Coordination with the road project to prevent patching of new construction.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$34,000	Plans and Engineering	\$34,000	\$34,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,000	Land	\$4,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$999,000	Construction	\$999,000	\$999,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$72,000	Overhead	\$72,000	\$72,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,109,000	Total	\$1,109,000	\$1,109,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W783000 Cape St Claire Rd TM

Class: Water

FY2018

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: 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: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 1997 \$277,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$733,407	\$167,196	\$900,603
April 1, 2016	\$946,478	\$131,952	\$1,078,430

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,109,000	Water Bonds	\$1,109,000	\$1,109,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,109,000	Total	\$1,109,000	\$1,109,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W787800 Fire Hydrant Rehab

Class: Water

FY2018

Council Approved

Description

This project is to remove lead paint and repaint fire hydrants. This project is a multi year, on going project for coating maintenance on an approximate 15 year life cycle.

Location

Countywide

Benefit

Improved efficiency of operation.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council added \$140k via AMD #189 and added \$140k/year for Fys 17-21 via AMD #200 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
(\$71,713)	Plans and Engineering	(\$71,713)	(\$71,713)	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,815,133	Construction	\$5,166,133	\$3,165,133	\$333,500	\$334	\$334	\$334	\$334	\$334	
\$283,253	Overhead	\$282,253	\$183,253	\$16,500	\$16	\$16	\$16	\$16	\$16	
\$5,026,674	Total	\$5,376,674	\$3,276,674	\$350,000	\$350	\$350	\$350	\$350	\$350	
More (Less) Than Prior Year Program:		\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$350	Multi-Yr

W787800 Fire Hydrant Rehab

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction of Phase 25.
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 FY23 funding.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1998 \$1,400,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,566,409	\$765,232	\$2,331,640
April 1, 2016	\$1,874,377	\$780,188	\$2,654,565

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$140,000	Water Bonds	\$140,000	\$140,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$4,886,674	Water PayGo	\$5,236,674	\$3,136,674	\$350,000	\$350	\$350	\$350	\$350	\$350	
\$5,026,674	Total	\$5,376,674	\$3,276,674	\$350,000	\$350	\$350	\$350	\$350	\$350	
More (Less) Than Prior Year Program:		\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$350	Multi-Yr

W793200 TM Meade to Jessup

Class: Water

FY2018 Council Approved

Description

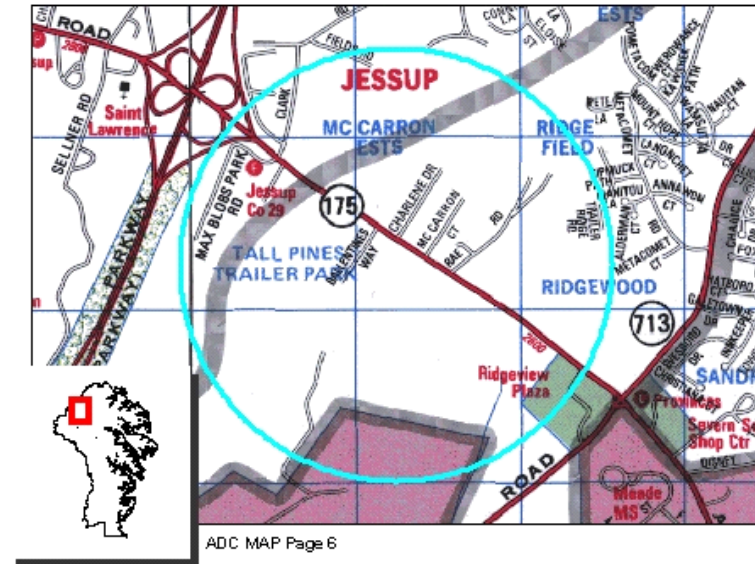
This project is to provide assistance to construct 7,000 feet of Water Main and a Control Vault from the Fort Mead Booster Pumping Station (See Project No. W793400) at MD Rte 175 and Rockenbach Road to the existing county 20-inch main at MD 175 and Race Road. In addition, 1,000 feet of 16 inch water main is required.

Benefit

The water main and control vault are a portion of the facilities required to provide water service to the Jessup/Maryland City Service Area as provided for in the County Water Strategic Plan.

Amendment History

CC removed \$50k via AMD #38 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$163,000	Plans and Engineering	\$10,975	\$10,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,103,000	Land	\$52,916	\$1,032,916	(\$980,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$7,264,000	Construction	\$1,200,800	\$1,380,800	(\$180,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$453,000	Overhead	\$84,365	\$134,365	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0
	Other	(\$1,857)	(\$1,857)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,983,000	Total	\$1,347,200	\$2,557,200	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	(\$7,635,800)	(\$6,425,800)	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0	\$0

W793200 TM Meade to Jessup

Class: Water

FY2018

Council Approved

Project Status

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

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decrease 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 1999 \$2,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$7,693,560	\$63,306	\$7,756,866
April 1, 2016	\$1,267,760	\$61,806	\$1,329,566

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$8,983,000	Water Bonds	\$1,347,200	\$2,557,200	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$8,983,000	Total	\$1,347,200	\$2,557,200	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$7,635,800)	(\$6,425,800)	(\$1,210,000)	\$0	\$0	\$0	\$0	\$0	\$0

W793400 Disney Road Booster Station

Class: Water

FY2018

Council Approved

Description

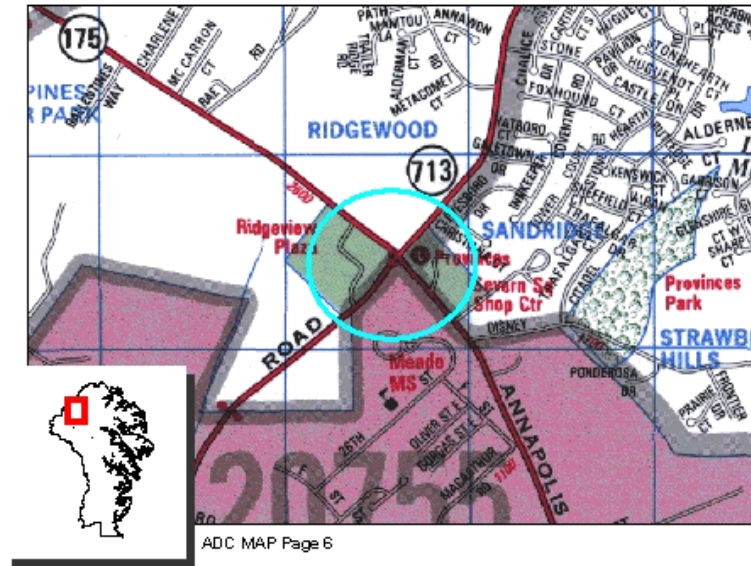
This project is to provide assistance to construct a 7,000 gpm Booster Station on Disney Road, near Disney Estates. Originally this station was proposed on the lands of Fort George G. Meade near the intersection of MD 175, Rockenbach and Disney Roads.

Benefit

The booster station is a portion of the facilities required to provide water service to the Jessup/Maryland City Service Area as provided for in the County Water Strategic Plan.

Amendment History

County Council removed \$580k via AMD #46 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$555,000	Plans and Engineering	\$555,000	\$555,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,980,000	Construction	\$3,901,000	\$3,980,000	(\$79,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$296,000	Overhead	\$209,000	\$296,000	(\$87,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,831,000	Total	\$4,665,000	\$4,831,000	(\$166,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$166,000)	\$0	(\$166,000)	\$0	\$0	\$0	\$0	\$0	\$0

W793400 Disney Road Booster Station

Class: Water

FY2018

Council Approved

Project Status

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

Change from Prior Year

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

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

Initial Total Project Cost Estimate

FY 1999 \$1,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$4,611,233	\$36,661	\$4,647,893
April 1, 2016	\$4,643,998	\$14,625	\$4,658,623

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,831,000	Water Bonds	\$4,665,000	\$4,831,000	(\$166,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$4,831,000	Total	\$4,665,000	\$4,831,000	(\$166,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$166,000)	\$0	(\$166,000)	\$0	\$0	\$0	\$0	\$0	\$0

W797600 Independent Well Upgrd

Class: Water

FY2018

Council Approved

Description

This project is to design and construct reverse osmosis treatment at Glendale Independent Well and to examine/install Aquifer Storage Recovery (ASR) capacity at the Quarterfield and Crain Highway Independent Wells.

Additional future funding may be required if treatment becomes more complex than currently anticipated or if additional wells require treatment.

Location

Countywide

Benefit

This project is necessary to provide additional water supply in the Glen Burnie Water Service Area.

Amendment History

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

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$232,223	Plans and Engineering	\$232,223	\$232,223	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,782,984	Construction	\$1,782,984	\$1,782,984	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$154,851	Overhead	\$154,851	\$154,851	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,171,058	Total	\$2,171,058	\$2,171,058	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W797600 Independent Well Upgrd

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Negotiating with A/E to conduct ASR study.
3. Action Required To Complete This Project: Evaluate Potential of Aquifer Storage Recovery at Quarterfield and/or Crain Highway Independent Well Sites.

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 2000 \$3,193,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$52,839	\$0	\$52,839
April 1, 2016	\$53,067	\$0	\$53,067

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,741,058	Water Bonds	\$1,741,058	\$1,741,058	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$430,000	Developer Contribution	\$430,000	\$430,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,171,058	Total	\$2,171,058	\$2,171,058	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W799400 Severndale WTP Upgrade PH III

Class: Water

FY2018

Council Approved

Description

Replacement of the existing Chemical Feed Systems at the Severndale Water Treatment Plant.

Project description amended in FY07 to include the upgrading of the existing lime system and the construction of caustic and sodium hypochlorite feed systems to replace the existing gaseous chlorine feed system.

Project description amended in FY14 to include Process Control System.

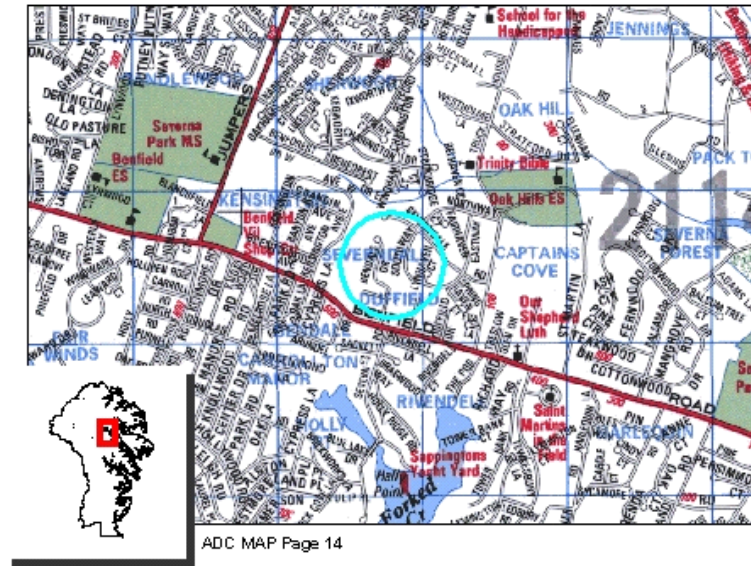
Project description amended in FY16 to include Water Treatment Plant Filter Rehabilitation and Severndale Water Booster Pump Station Process Control System.

Benefit

Improved water quality, system reliability and public safety.

Amendment History

County Council removed \$85k via AMD #78 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$774,000	Plans and Engineering	\$409,842	\$409,842	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,494,000	Construction	\$3,333,356	\$3,333,356	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$372,000	Overhead	\$215,597	\$215,597	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,645,000	Total	\$3,963,796	\$3,963,796	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$2,681,204)	(\$2,681,204)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W799400 Severndale WTP Upgrade PH III

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Construction and Performance of Process Control. Design of Media Replacement
3. Action Required To Complete This Project: Construction and Performance of Process Control Upgrade. Design, Construction and Performance of Media Replacement

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 \$300,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,793,055	\$145,710	\$2,938,765
April 1, 2016	\$265,016	\$547,651	\$812,667

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$6,645,000	Water Bonds	\$3,963,796	\$3,963,796	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,645,000	Total	\$3,963,796	\$3,963,796	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$2,681,204)	(\$2,681,204)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W799600 Elevated Water Storage

Class: Water

FY2018 Council Approved

Description

Construction of Elevated Water Storage Tanks in accordance with the Water Strategic Plan.

Current Program includes new Elevated Tanks in the Broad Creek, Heritage Harbor, Broadneck, Glen Burnie Low, Crofton, and Maryland City zones.

Location

Countywide

Benefit

To meet domestic and fire flow demands.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Removed \$17,000,000 via AMD #76 to Bill 23-14. County Council removed \$1,440,000 via AMD #47 to Bill 29-15. County Council removed \$13,861,000 via AMD #77 to Bill 29-15. County Council removed \$160k in FY17 and \$170k in FY18 via AMD #114 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,087,880	Plans and Engineering	\$3,524,880	\$3,524,880	\$0	\$0	\$0	\$0	\$0	\$0	
\$5,087,000	Land	\$3,587,000	\$3,587,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$55,700,242	Construction	\$58,571,242	\$44,681,242	\$11,143,000	\$0	\$0	\$2,747	\$0	\$0	
\$3,602,705	Overhead	\$3,504,705	\$2,809,705	\$557,000	\$0	\$0	\$138	\$0	\$0	
\$68,477,827	Total	\$69,187,827	\$54,602,827	\$11,700,000	\$0	\$0	\$2,885	\$0	\$0	
More (Less) Than Prior Year Program:		\$710,000	\$0	\$0	(\$365)	(\$1,810)	\$2,885	\$0	\$0	Multi-Yr

W799600 Elevated Water Storage

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Construction of Bacontown, Ft Smallwood, Heritage Harbor, and Route 3 Water Main. Performance of Evergreen Interconnect, Crofton/Waugh Chapel, and Licoln Heights 2
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: Eliminated FY 19 and FY 20 funding and Added FY21 Funding
3. Change In Scope: None
4. Change In Timing: Multi-Year

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

Initial Total Project Cost Estimate

FY 2003 \$3,080,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$21,680,449	\$10,607,983	\$32,288,431
April 1, 2016	\$30,024,947	\$2,997,339	\$33,022,286

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$67,077,827	Water Bonds	\$67,787,827	\$53,202,827	\$11,700,000	\$0	\$0	\$2,885	\$0	\$0	
\$1,400,000	Bond Premium	\$1,400,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$68,477,827	Total	\$69,187,827	\$54,602,827	\$11,700,000	\$0	\$0	\$2,885	\$0	\$0	
More (Less) Than Prior Year Program:		\$710,000	\$0	\$0	(\$365)	(\$1,810)	\$2,885	\$0	\$0	Multi-Yr

W800200 Water System Security

Class: Water

FY2018

Council Approved

Description

Design and construction of miscellaneous improvements to reduce vulnerability and improve water system security.

Location

Countywide

Benefit

Recent threats against home land security has required additional measures to protect vital utility services.

Amendment History

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

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$105,924	Plans and Engineering	\$58,290	\$58,290	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,169,611	Construction	\$5,091,355	\$5,091,355	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$265,655	Overhead	\$258,161	\$258,161	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,547,190	Total	\$5,413,806	\$5,413,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$133,385)	(\$133,385)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W800200 Water System Security

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Continue video system monitoring installations. Construction of security fencing around well houses, pump stations, and water towers pending updated vulnerability assessment study.
3. Action Required To Complete This Project: Design, Construction and Performance.

Change from Prior Year

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

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

Initial Total Project Cost Estimate

FY 2004 \$4,800,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$758,568	\$665,801	\$1,424,369
April 1, 2016	\$707,721	\$325,699	\$1,033,421

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$5,547,190	Water Bonds	\$5,413,806	\$5,413,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,547,190	Total	\$5,413,806	\$5,413,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$133,385)	(\$133,385)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W800300 Balto City Water Main Rpr

Class: Water

FY2018

Council Approved

Description

Funds are requested for engineering and construction monies for the repair of the 72 inch transmission main paralleling the Key Bridge. This is one of two water supply feeds from Baltimore City.

Additional funds are also requested for the County's share of the Hillen/Ashburton 64 inch bypass line. Anne Arundel County share is 13% per a January 30, 1980 interjurisdictional agreement.

Additional funds requested in FY07 for the County's share of the investigation and repair/replacement of the 54" transmission Main and 36" transmission Mains supplying the Nursery Road Booster Pumping Station.

Portions of this project will be under taken as a joint venture with Baltimore City and Baltimore County.

Benefit

The transmission main is a major water supply source supplying up to 9 MGD. Lack of water supply has resulted in water use restrictions this past year in the northern part of the County.

Location

Countywide

Amendment History

County Council added \$5,374,000 in FY07 Utility Bonds via amendment #60 to Bill 35-06.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,089,000	Plans and Engineering	\$932,654	\$1,072,654	(\$140,000)	\$0	\$0	\$0	\$0	\$0	
\$96,000	Land	\$96,000	\$96,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$7,459,000	Construction	\$6,193,070	\$6,983,070	(\$790,000)	\$0	\$0	\$0	\$0	\$0	
\$375,000	Overhead	\$282,601	\$352,601	(\$70,000)	\$0	\$0	\$0	\$0	\$0	
\$2,751,000	Other	(\$3,226,800)	(\$3,226,800)	\$0	\$0	\$0	\$0	\$0	\$0	
\$11,770,000	Total	\$4,277,526	\$5,277,526	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$7,492,474)	(\$6,492,474)	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W800300 Balto City Water Main Rpr

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Negotiated Portional Share of Dundalk 72 Inch Main Repair
3. Action Required To Complete This Project: Resolve Final Inter-Jursdictional Cost Sharing Responsibilities

Change from Prior Year

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

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2004 \$2,520,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$6,492,474	\$17,184	\$6,509,658
April 1, 2016	\$0	\$15,200	\$15,200

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$11,770,000	Water Bonds	\$4,277,526	\$5,277,526	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	
\$11,770,000	Total	\$4,277,526	\$5,277,526	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$7,492,474)	(\$6,492,474)	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

W801200 12" St Marg/Old Mill Bttm

Class: Water

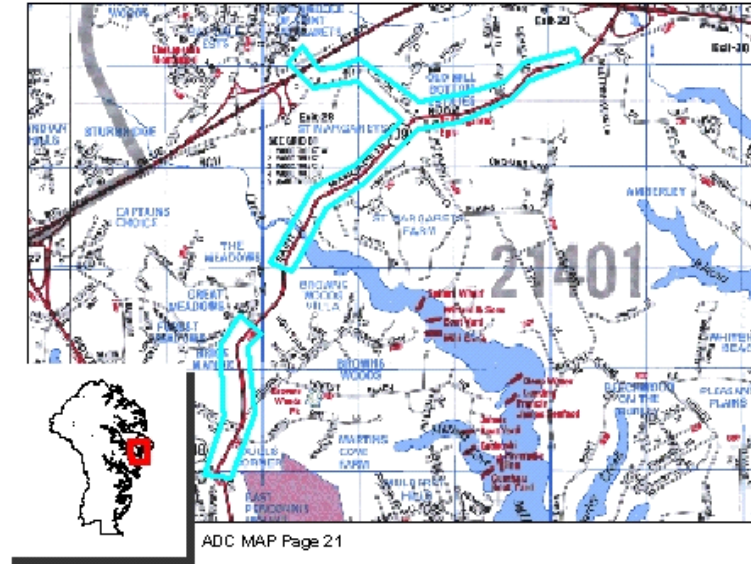
FY2018 Council Approved

Description

This project is for design, right of way acquisition and construction of approximately 7,000 linear feet of 12-inch watermain within the 220 Broadneck Service Area. The main will extend along St. Margarets Road from the Amberly WTP to the existing distribution system located on the north side of MD Rte 50 at Old Mill Bottom Road. The project will improve the pressure within the existing distribution system.

Benefit

Project will complete loops between the existing 12-inch main on Old Mill Bottom Road North and the proposed 12-inch main in St. Margarets Road,



Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$430,000	Plans and Engineering	\$324,000	\$430,000	(\$106,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$70,000	Land	\$104,000	\$70,000	\$34,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,095,000	Construction	\$6,209,000	\$3,095,000	\$3,114,000	\$0	\$0	\$0	\$0	\$0	\$0
\$241,000	Overhead	\$332,000	\$241,000	\$91,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,836,000	Total	\$6,969,000	\$3,836,000	\$3,133,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$3,133,000	\$0	\$3,133,000	\$0	\$0	\$0	\$0	\$0	\$0

W801200 12" St Marg/Old Mill Bttm

Class: Water

FY2018 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: 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 2010 \$4,051,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2015	\$274,940	\$2,637,210	\$2,912,149
April 1, 2016	\$294,680	\$2,665,477	\$2,960,156

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,836,000	Water Bonds	\$6,969,000	\$3,836,000	\$3,133,000	\$0	\$0	\$0	\$0	\$0	\$0
\$3,836,000	Total	\$6,969,000	\$3,836,000	\$3,133,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$3,133,000	\$0	\$3,133,000	\$0	\$0	\$0	\$0	\$0	\$0

W801300 16" Reidel to Rte 3

Class: Water

FY2018 Council Approved

Description

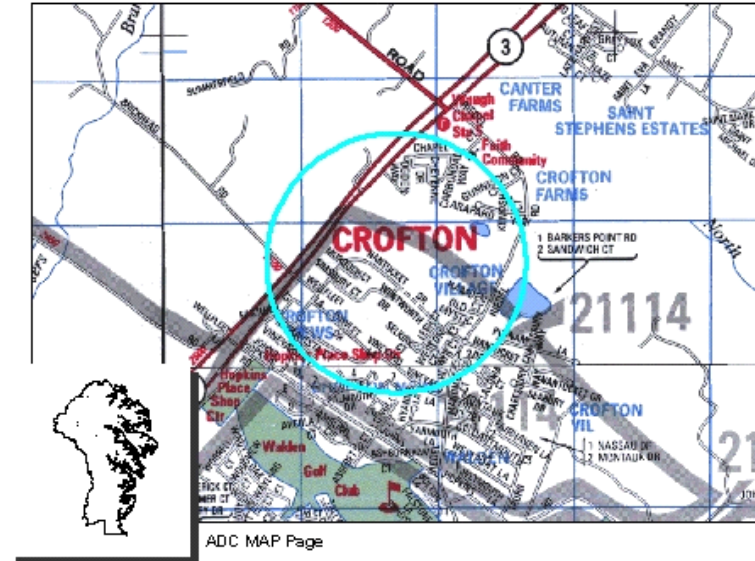
This project is for the design, right of way acquisition and construction of approximately 3,300 linear feet of 16-inch watermain within the 290 Crofton Service Area. The main will connect the existing 16-inch main in Riedel Road to the existing 16-inch main in MD Route 3. The project will increase water supply to the service area in conjunction with the Crofton Zone EWT.

Benefit

Project will function as a supply line to the proposed Crofton Zone EWT. Collectively these projects will provide sufficient water for the adjacent service area.

Amendment History

County Council removed \$543k in pay-go via AMD #150 and replaced it with bond premium via AMD #135 to Bill 29-15. CC switched \$559,000 of Bonds for PayGo via AMD #52 and #53 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$321,000	Plans and Engineering	\$321,000	\$321,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,853,100	Construction	\$2,853,100	\$2,853,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$191,000	Overhead	\$191,000	\$191,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,366,100	Total	\$3,366,100	\$3,366,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W801300 16" Reidel to Rte 3

Class: Water

FY2018

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 2010 \$1,430,100

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$323,161	\$2,381,349	\$2,704,510
April 1, 2016	\$2,589,539	\$337,890	\$2,927,429

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,223,100	Water Bonds	\$3,223,100	\$3,223,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Water PayGo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$143,000	Bond Premium	\$143,000	\$143,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,366,100	Total	\$3,366,100	\$3,366,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W801400 Crofton Meadows II Exp Ph 2

Class: Water

FY2018

Council Approved

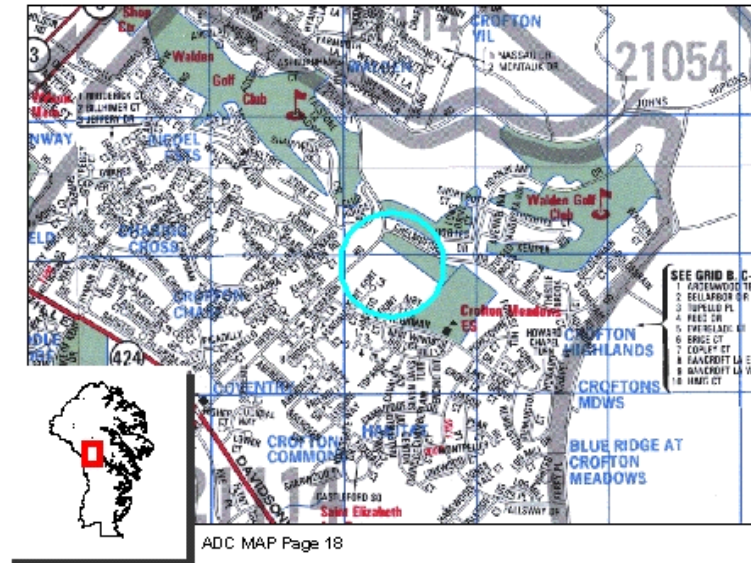
Description

This project will provide funding to increase the capacity of the Crofton Meadows II WTP from 15 to 20 MGD by adding additional sedimentation basins, filters and raw water wells. Well field will be increased from 15 to 21.5 MGD.

Benefit

Project will provide increased treatment plant capacity thus increasing water system reliability and reducing reliance on Baltimore City's water supply.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,598,000	Plans and Engineering	\$4,598,000	\$4,598,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$382,000	Land	\$382,000	\$382,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$15,800,000	Construction	\$28,390,000	\$0	\$1,361,000	\$8,138	\$8,138	\$10,753	\$0	\$0	\$0
\$920,000	Overhead	\$1,707,000	\$288,000	\$68,000	\$407	\$407	\$537	\$0	\$0	\$0
\$21,700,000	Total	\$35,077,000	\$5,268,000	\$1,429,000	\$8,545	\$8,545	\$11,290	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$13,377,000	\$0	(\$15,003,000)	\$8,545	\$8,545	\$11,290	\$0	\$0	\$0

W801400 Crofton Meadows II Exp Ph 2

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Water Transmission Main Design, Production Wells 12 & 13 Design, Well Siting Studies
3. Action Required To Complete This Project: Design, Right Of Way Acquisition, Construction and Performance.

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increase based on Cost Estimate for Construction of Raw Water Interconnect and Residuals Line.
3. Change In Scope: None
4. Change In Timing: Deferred majority of construction to FY19-21

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

Initial Total Project Cost Estimate

FY 2010 \$37,942,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$5,306	\$0	\$5,306
April 1, 2016	\$41,072	\$43,690	\$84,762

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$21,700,000	Water Bonds	\$35,077,000	\$5,268,000	\$1,429,000	\$8,545	\$8,545	\$11,290	\$0	\$0	\$0
\$21,700,000	Total	\$35,077,000	\$5,268,000	\$1,429,000	\$8,545	\$8,545	\$11,290	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$13,377,000	\$0	(\$15,003,000)	\$8,545	\$8,545	\$11,290	\$0	\$0	\$0

W801600 TM-MD Rte 32 @ Meade

Class: Water

FY2018 Council Approved

Description

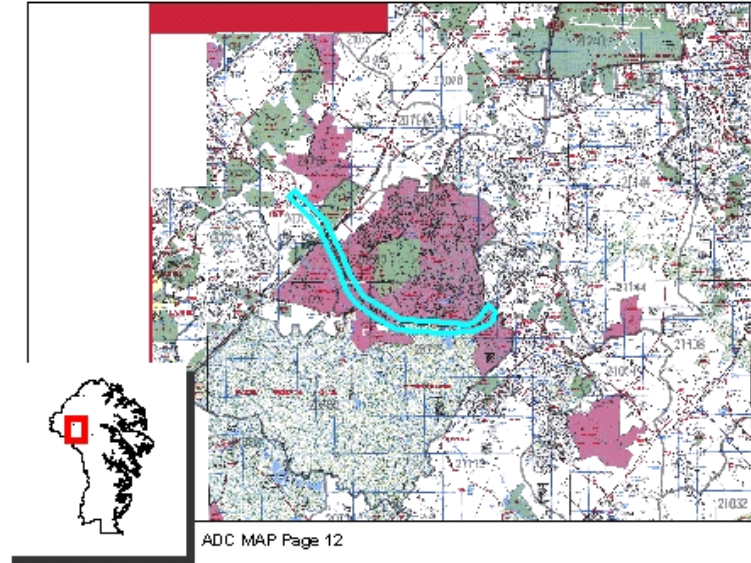
This project provides for the design, right of way acquisition, and construction of approximately 28,000 linear feet of 24-inch water transmission main. Phase I includes approximately 16,200 linear feet of pipeline and extends from the intersection of Brockbridge Road and Guilford Road, along Guilford Road and MD Rte 32 to the intersection of Mapes Road and MD Rte 32. Phase II includes approximately 11,800 linear feet of 24-inch main and extends from Mapes Road, continues along MD Route 32 to the proposed 36-inch transmission main being constructed under Project W-7784.

Benefit

Project will improve reliability by providing a looped transmission main. Project will allow flow from the 400 Zone to the 330 Zone and will ultimately be a water source for a future booster pumping station pumping from the 330 Zone and discharging to the 369 Zone and 400 Zone. Project will assist in reducing reliance on the Baltimore City water system.

Amendment History

County Council removed \$55k via AMD #115 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,457,000	Plans and Engineering	\$2,287,000	\$1,457,000	\$830,000	\$0	\$0	\$0	\$0	\$0	\$0
\$79,000	Land	\$310,000	\$79,000	\$231,000	\$0	\$0	\$0	\$0	\$0	\$0
\$12,223,000	Construction	\$28,941,000	\$6,606,000	\$0	\$7,445	\$7,445	\$7,445	\$0	\$0	\$0
\$689,800	Overhead	\$1,579,800	\$407,800	\$53,000	\$373	\$373	\$373	\$0	\$0	\$0
\$14,448,800	Total	\$33,117,800	\$8,549,800	\$1,114,000	\$7,818	\$7,818	\$7,818	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$18,669,000	\$0	(\$4,785,000)	\$7,818	\$7,818	\$7,818	\$0	\$0	\$0

W801600 TM-MD Rte 32 @ Meade

Class: Water

FY2018 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: Complete Design, Right Of Way Acquisition, Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased based on Current Estimate
3. Change In Scope: None
4. Change In Timing: Constructon spread across FY19-21

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

Initial Total Project Cost Estimate

FY 2010 \$14,166,800

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$510,843	\$384,982	\$895,825
April 1, 2016	\$513,581	\$384,982	\$898,564

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$14,448,800	Water Bonds	\$33,117,800	\$8,549,800	\$1,114,000	\$7,818	\$7,818	\$7,818	\$0	\$0	\$0
\$14,448,800	Total	\$33,117,800	\$8,549,800	\$1,114,000	\$7,818	\$7,818	\$7,818	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$18,669,000	\$0	(\$4,785,000)	\$7,818	\$7,818	\$7,818	\$0	\$0	\$0

W801700 Glen Burnie High Zone

Class: Water

FY2018 Council Approved

Description

This project provides for the design, right of way acquisition and construction of various watermain improvements within the 295 Glen Burnie High Pressure Zone. These mains will transmit flow, meet fire flow demands and reduce friction loss within the existing distribution system. Project includes the following improvements:

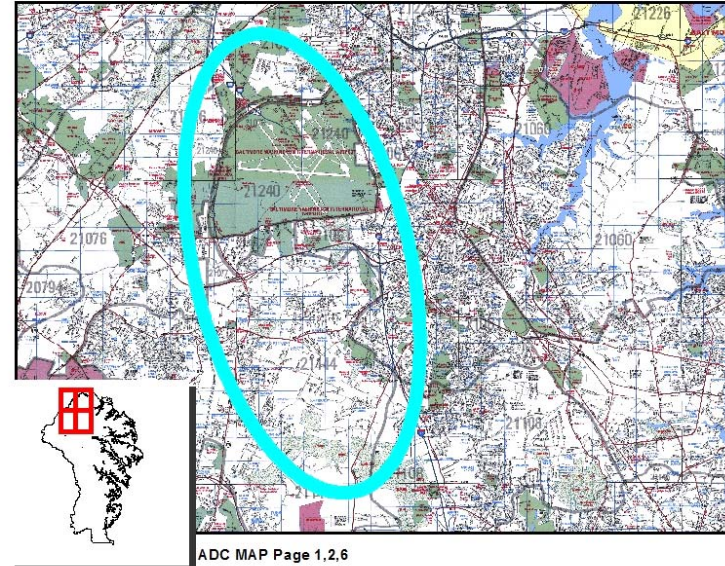
- * 1,750 linear feet of 12-inch watermain at Quarterfield Road from Sandy Hill Road to the existing main in Quaterfield Road.
- * 3,170 linear feet of 12-inch watermain along Hammonds Ferry Road from Oregon Ave to Hammonds Business Park.
- * 2,800 linear feet of 8-inch watermain along Oregon Ave to Raynor Ave.
- * 2,700 linear feet of 12-inch watermain along Nursery Road.
- * 1,860 linear feet of 8-inch watermain along Evelyn Ave.

Benefit

Project will complete various looping thus reducing friction losses and increasing flows to meet fire demands.

Amendment History

County Council removed \$56k via AMD #79 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$828,000	Plans and Engineering	\$828,000	\$828,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$33,000	Land	\$33,000	\$33,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,478,000	Construction	\$4,668,500	\$4,478,000	\$190,500	\$0	\$0	\$0	\$0	\$0	\$0
\$308,000	Overhead	\$317,500	\$308,000	\$9,500	\$0	\$0	\$0	\$0	\$0	\$0
\$5,647,000	Total	\$5,847,000	\$5,647,000	\$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

W801700 Glen Burnie High Zone

Class: Water

FY2018 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 current construction 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 2010 \$5,403,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$517,998	\$1,431,948	\$1,949,946
April 1, 2016	\$1,459,354	\$920,142	\$2,379,496

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$5,647,000	Water Bonds	\$5,847,000	\$5,647,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
\$5,647,000	Total	\$5,847,000	\$5,647,000	\$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

W801800 Arnold WTP Exp

Class: Water

FY2018

Council Approved

Description

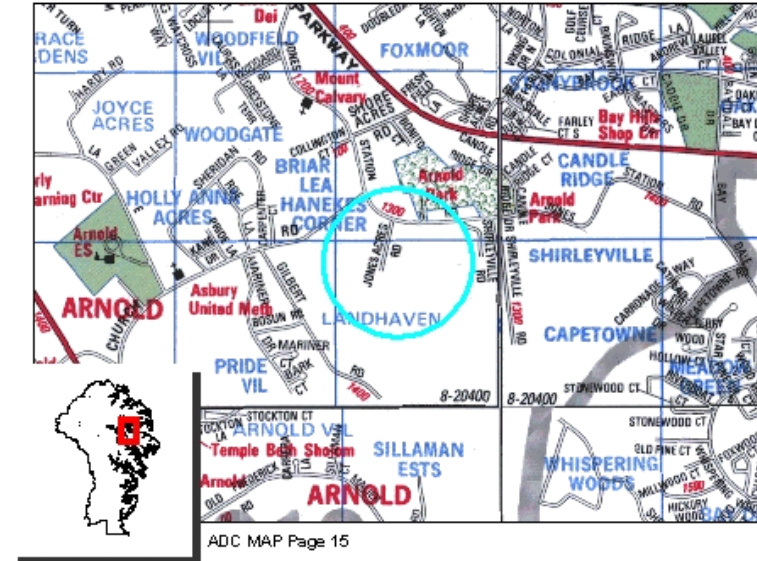
This project provides funding for the design, right of way acquisition and construction of an expansion for the Arnold WTP. Project includes the expansion of both, the water treatment facility and well fields from 8 to 16 MGD. The project will also increase the pumping capacity of the booster pumps by 4.6 MGD and upgrade of the existing plant control system.

The construction of this project is funded over two years.

Benefit

Project will provide increased treatment capacity thus increasing water system reliability and reducing reliance on Baltimore City's water supply.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,156,000	Plans and Engineering	\$678,827	\$678,827	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$458,000	Land	\$68,376	\$68,376	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$30,279,000	Construction	\$3,916,567	\$3,916,567	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,746,000	Overhead	\$72,248	\$72,248	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$35,639,000	Total	\$4,736,017	\$4,736,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$30,902,983)	(\$30,902,983)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W801800 Arnold WTP Exp

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Initiated Design of Arnold , Production Well #11 and Well #11 Transmission Main. Performance of Arnold Well #7
3. Action Required To Complete This Project: Construction and Performance of Production Well #11and Well #11 Transmission Main.

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 \$32,457,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$30,997,620	\$11,827	\$31,009,447
April 1, 2016	\$102,510	\$3	\$102,513

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$35,639,000	Water Bonds	\$4,736,017	\$4,736,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$35,639,000	Total	\$4,736,017	\$4,736,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$30,902,983)	(\$30,902,983)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W803300 WTR Infrastr Up/Retro

Class: Water

FY2018

Council Approved

Description

Funds are requested for design and construction to upgrade various water 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 water 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. CC removed \$800k via AMD #39 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,401,580	Plans and Engineering	\$1,401,580	\$901,580	\$0	\$100	\$100	\$100	\$100	\$100	
\$5,029,621	Construction	\$4,065,368	\$2,985,368	(\$800,000)	\$376	\$376	\$376	\$376	\$376	
\$423,934	Overhead	\$385,404	\$265,404	\$0	\$24	\$24	\$24	\$24	\$24	
(\$11,262)	Other	(\$11,262)	(\$11,262)	\$0	\$0	\$0	\$0	\$0	\$0	
\$6,843,873	Total	\$5,841,090	\$4,141,090	(\$800,000)	\$500	\$500	\$500	\$500	\$500	
More (Less) Than Prior Year Program:		(\$1,002,784)	(\$202,784)	(\$1,300,000)	\$0	\$0	\$0	\$0	\$500	Multi-Yr

W803300 WTR Infrastr Up/Retro

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Constructed upgraded Central Water Facility and Crofton Meadows II HVAC systems; Maintenance Coated Crofton Meadows II Mechanical Equipment, Replaced Millersville Bldg B Roof, Dorsey WTP Filter Bldg and Chemical Bldg Roof; Replaced Electric Feeders to Broadcreek Water Production Wells 1, 3, & 5. Replaced roof of Hammonds Lane BPS, Upgraded Broad creek Well # 5 power, funded interconnect with City of Annapolis, performed schematic design for Arnold Lime System Upgrade
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: No request for FY18 due to Available Balance, Added FY23 Funding.
3. Change in Scope: None
4. Change in Timing: Multi-Year

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2010 \$4,500,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$2,424,325	\$469,423	\$2,893,748
April 1, 2016	\$1,355,931	\$336,851	\$1,692,782

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$4,417,464	Water Bonds	\$4,341,090	\$1,841,090	\$0	\$500	\$500	\$500	\$500	\$500	
\$1,726,410	Water PayGo	\$800,000	\$1,600,000	(\$800,000)	\$0	\$0	\$0	\$0	\$0	
\$700,000	Bond Premium	\$700,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$6,843,873	Total	\$5,841,090	\$4,141,090	(\$800,000)	\$500	\$500	\$500	\$500	\$500	
More (Less) Than Prior Year Program:		(\$1,002,784)	(\$202,784)	(\$1,300,000)	\$0	\$0	\$0	\$0	\$500	Multi-Yr

W803400 Water Proj Mgmt

Class: Water

FY2018

Council Approved

Description

Funds are requested to provide contract services for project management of water 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 FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$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

W803400 Water Proj Mgmt

Class: Water

FY2018

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	\$178,963	\$947,298	\$1,126,262
April 1, 2016	\$96,604	\$474,579	\$571,183

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$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

W803500 Hospital Drive WTR Ext

Class: Water

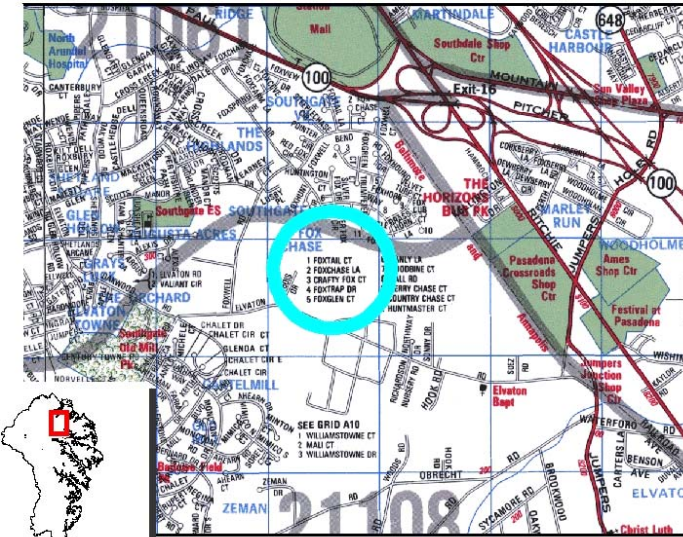
FY2018

Council Approved

Description

Funds are requested for the design and construction of approximately 1,800 linear feet of 12-inch watermain extension from the existing main at the end of Hospital Drive to Elvaton Road.

This project is being programmed in conjunction with highway project H387900, Hospital Drive Extension.



ADC MAP Page 8

Benefit

Coordination with highway project to prevent patching of new infrastructure.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$78,000	Plans and Engineering	\$78,000	\$78,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,027,000	Construction	\$1,027,000	\$1,027,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$66,000	Overhead	\$66,000	\$66,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,176,000	Total	\$1,176,000	\$1,176,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W803500 Hospital Drive WTR Ext

Class: Water

FY2018

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: 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 \$830,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$50,857	\$20,928	\$71,785
April 1, 2016	\$51,162	\$160,311	\$211,473

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,176,000	Water Bonds	\$1,176,000	\$1,176,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,176,000	Total	\$1,176,000	\$1,176,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W803600 East/West TM - North

Class: Water

FY2018 Council Approved

Description

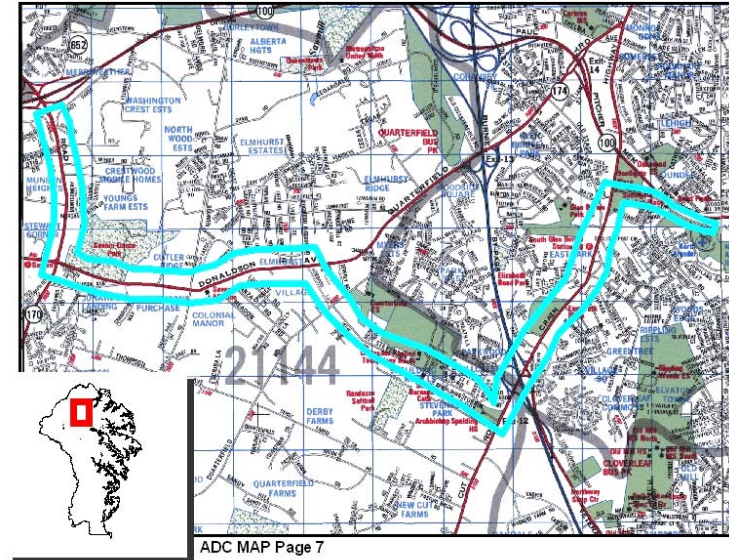
Funds are requested for the design, right of way acquisition and construction of a water transmission main that will transfer water in an easterly-western direction in the northern part of Anne Arundel County. Generally, the transmission network will provide improved distribution system conveyance between the Glen Burnie High and Glen Burnie Low Service Areas, while providing a source of supply for pumpage to higher pressure zones in the western part of the County.

Benefit

The project will improve the County's distribution system, allowing conveyance of water between service zones during periods of peak demands. The project when completed will also improve reliability and redundancy.

Amendment History

County Council removed \$385k via AMD #49 to Bill 29-15. County Council removed \$310k via AMD #116 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$5,139,000	Plans and Engineering	\$5,139,000	\$5,139,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$420,000	Land	\$420,000	\$420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$42,956,000	Construction	\$57,736,000	\$12,756,000	\$0	\$0	\$7,550	\$7,550	\$7,550	\$7,550	\$14,780
\$2,720,000	Overhead	\$3,459,000	\$920,000	\$0	\$0	\$450	\$450	\$450	\$450	\$739
\$51,235,000	Total	\$66,754,000	\$19,235,000	\$0	\$0	\$8,000	\$8,000	\$8,000	\$8,000	\$15,519
More (Less) Than Prior Year Program:		\$15,519,000	\$0	\$0	(\$8,000)	\$0	\$0	\$0	\$8,000	\$15,519

W803600 East/West TM - North

Class: Water

FY2018

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: Complete Design, Right-of-Way Acquisition, Construction, and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY23
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$19,593,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$134,046	\$362,530	\$496,577
April 1, 2016	\$163,439	\$347,158	\$510,597

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years	
					FY2019	FY2020	FY2021	FY2022	FY2023		
\$51,235,000	Water Bonds	\$66,754,000	\$19,235,000	\$0	\$0	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$15,519
\$51,235,000	Total	\$66,754,000	\$19,235,000	\$0	\$0	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$15,519
More (Less) Than Prior Year Program:		\$15,519,000	\$0	\$0	(\$8,000)	\$0	\$0	\$0	\$8,000	\$15,519	

W803700 Sylvan Shores Water

Class: Water

FY2018

Council Approved

Description

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

Benefit

Project will provide public water service to properties currently connected to a deteriorating private water distribution system.

Amendment History

Removed proposed de-appropriation of \$5,134,000 via amendment #81 to Bill 28-10.
 Removed \$1,200,000 via AMD #48 to Bill 46-13. CC removed \$136,000 via AMD #28 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$200,000	Plans and Engineering	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$50,000	Land	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,887,000	Construction	\$3,887,000	\$3,887,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$327,000	Overhead	\$327,000	\$327,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$4,464,000	Total	\$4,464,000	\$4,464,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W803700 Sylvan Shores Water

Class: Water

FY2018

Council Approved

Project Status

- . 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 \$4,574,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$4,127,610	\$153,465	\$4,281,075
April 1, 2016	\$4,451,040	\$13,662	\$4,464,702

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,559,000	Water Bonds	\$3,203,000	\$3,559,000	(\$356,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$905,000	Other State Grants	\$1,261,000	\$905,000	\$356,000	\$0	\$0	\$0	\$0	\$0	\$0
\$4,464,000	Total	\$4,464,000	\$4,464,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W804000 Broad Creek WTP Exp

Class: Water

FY2018

Council Approved

Description

Funds are requested for the planning, design, right of way acquisition and construction to expand the Broad Creek WTP capacity to 8 million gallons per day and to provide new raw water supply production wells.

Two year construction funding is programmed over FY10 and FY11 for plant expansion. Two year construction funding is programmed over FY18 and FY19 for original process train upgrade.

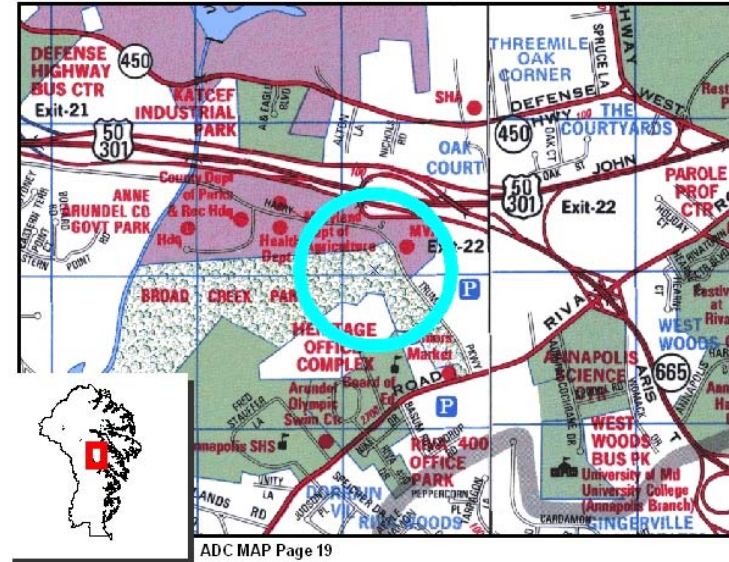
Subsequent to completing construction and commissioning of the Broad Creek WTP expansion described above, this project will fund the design and construction necessary to upgrade the original upflow filter and its associated equipment, the original pumps, motors, valves of the existing clear wells, the chemical handling equipment, the ventilation systems, upgrade the air scour blowers, install equipment enclosures, upgrade the existing pulsator vacuum pumps and all associated piping, and to provide a mechanical maintenance shop to conduct plant maintenance for South water operations. Design and construction funding

Benefit

Expansion of treatment capacity to meet future growth and upgrade of the original water treatment processes to maintain treatment plant performance and reliability.

Amendment History

County Council removed \$95k via AMD #50 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$2,353,000	Plans and Engineering	\$3,148,317	\$1,748,317	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0
\$275,000	Land	\$275,000	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$28,865,000	Construction	\$29,435,762	\$23,215,762	\$0	\$3,110	\$3,110	\$0	\$0	\$0	\$0
\$1,851,000	Overhead	\$1,768,935	\$1,386,935	\$70,000	\$156	\$156	\$0	\$0	\$0	\$0
\$33,344,000	Total	\$34,628,015	\$26,626,015	\$1,470,000	\$3,266	\$3,266	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,284,015	(\$717,985)	(\$1,530,000)	\$266	\$3,266	\$0	\$0	\$0	\$0

W804000 Broad Creek WTP Exp

Class: Water

FY2018 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Conditional Acceptance of Treatment Plant Expansion; Construction of Production Wells 6,7,8 and Transmission Main. Develop scope of work to upgrade original process train.
3. Action Required To Complete This Project: Design, Construction, and Performance of all contracts

Change from Prior Year

1. Change in Name or Description: The description was expanded to include upgrading the original treatment process and associated support equipment and providing a maintenance shop.
2. Change in Total Project Cost: Increase based on current estimates.
3. Change in Scope: Add upgrade of original equipment not replaced as part of the water treatment plant expansion and provide a maintenance shop.
4. Change in Timing: Original treatment process upgrade design and construction planned for FY18 and FY19.

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

Initial Total Project Cost Estimate

FY 2009 \$25,839,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$10,371,022	\$438,844	\$10,809,866
April 1, 2016	\$10,387,574	\$467,838	\$10,855,412

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$33,344,000	Water Bonds	\$34,628,015	\$26,626,015	\$1,470,000	\$3,266	\$3,266	\$0	\$0	\$0	\$0
\$33,344,000	Total	\$34,628,015	\$26,626,015	\$1,470,000	\$3,266	\$3,266	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,284,015	(\$717,985)	(\$1,530,000)	\$266	\$3,266	\$0	\$0	\$0	\$0

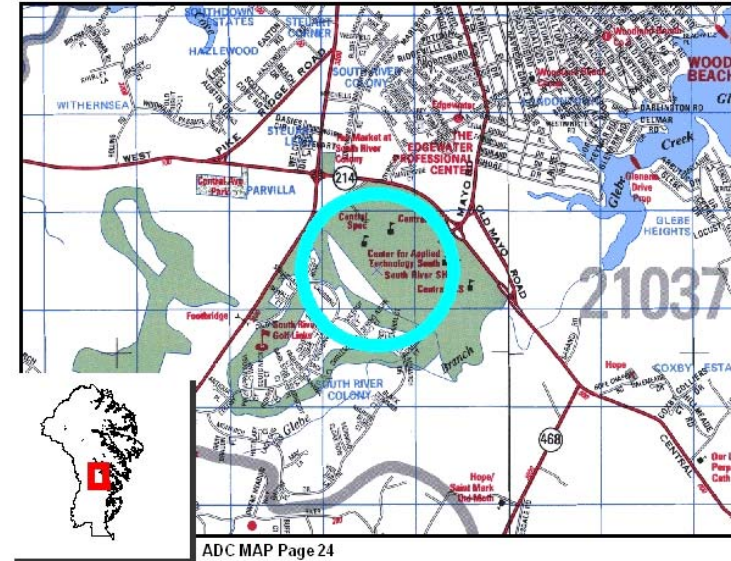
W804200 Withernsea WTP

Class: Water

FY2018 Council Approved

Description

Funds are requested for the planning, design, right of way acquisition and construction for a new water treatment plant with a 5.0 million gallon per day capacity. Project includes treatment facility, water production wells, water booster pump station, raw water transmission mains and appurtenances to serve the Broad Creek 210 pressure zone.



Benefit

Expanded capacity to meet growth projections and improve operational reliability.

Amendment History

CC removed \$546k via AMD #40 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$624,000	Plans and Engineering	\$98,000	\$624,000	(\$526,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$232,000	Land	\$232,000	\$232,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$36,000	Overhead	\$16,000	\$36,000	(\$20,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$892,000	Total	\$346,000	\$892,000	(\$546,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$546,000)	\$0	(\$546,000)	\$0	\$0	\$0	\$0	\$0	\$0

W804200 Withernsea WTP

Class: Water

FY2018 Council Approved

Project Status

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

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decrease based on latest cost 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 \$60,471,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$343,087	\$2,423	\$345,510
April 1, 2016	\$343,087	\$2,423	\$345,510

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$892,000	Water Bonds	\$346,000	\$892,000	(\$546,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$892,000	Total	\$346,000	\$892,000	(\$546,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$546,000)	\$0	(\$546,000)	\$0	\$0	\$0	\$0	\$0	\$0

W804300 New Cut WTP

Class: Water

FY2018

Council Approved

Description

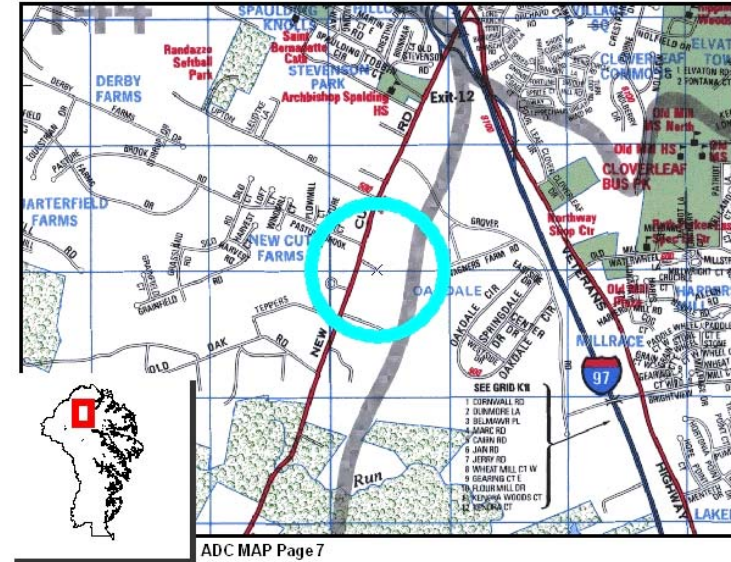
Funds are requested for planning and siting studies to support the design, right of way acquisition and construction of a new water treatment plant to serve the Glen Burnie High Zone. The new facility will provide additional capacity to support future growth and is intended to replace/supplement the Dorsey WTP.

Benefit

Provides additional treatment capacity to meet both existing and future domestic water demands, as well as, fire flow.

Amendment History

CC removed \$1m via AMD #41 to Bill 36-17.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$100,000	Plans and Engineering	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,010,000	Land	\$10,000	\$1,010,000	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$66,000	Overhead	\$66,000	\$66,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,176,000	Total	\$176,000	\$1,176,000	(\$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

W804300 New Cut WTP

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Perform land study.
3. Action Required To Complete This Project: Study, Design, 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: Less than \$100,000 per year

Initial Total Project Cost Estimate

FY 2009 \$116,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$14,030	\$0	\$14,030
April 1, 2016	\$17,889	\$0	\$17,889

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,176,000	Water Bonds	\$176,000	\$1,176,000	(\$1,000,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,176,000	Total	\$176,000	\$1,176,000	(\$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

W804500 North Co Water Dist Imp

Class: Water

FY2018

Council Approved

Description

This project provides engineering, land acquisition and construction funding for the design and construction of approximately 10,800 linear feet of water main installations at various locations within Northern Anne Arundel County for improvement of water delivery to customers.

Location

Countywide

Benefit

The project will provide system reliability enhancements by improving reliability to meet domestic and fire flow demands, as well as, system expansion.

Amendment History

County Council removed \$135k via AMD #51 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,211,000	Plans and Engineering	\$1,211,000	\$1,211,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$203,000	Land	\$203,000	\$203,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,168,000	Construction	\$5,168,000	\$5,168,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$472,000	Overhead	\$472,000	\$472,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,054,000	Total	\$7,054,000	\$7,054,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W804500 North Co Water Dist Imp

Class: Water

FY2018

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Right-of-Way Acquisition, and begin Construction for Phase 2.
3. Action Required To Complete This Project: Construction and Performance for 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 2011 \$7,189,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,438,292	\$1,501,711	\$2,940,003
April 1, 2016	\$3,007,931	\$914,755	\$3,922,686

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$7,054,000	Water Bonds	\$7,054,000	\$7,054,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,054,000	Total	\$7,054,000	\$7,054,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W804600 Balt City - Fullerton WTP

Class: Water

FY2018

Council Approved

Description

Funds are requested for Anne Arundel County's share of the proposed Baltimore City Fullerton Water Treatment Plant. The facility is being planned, designed and constructed to meet regulatory requirements, demands of the water service area and to provide reliability. Funds will only be requested to cover Anne Arundel County's share of the new facility in accordance with inter-jurisdictional agreement between Baltimore City, Anne Arundel, Baltimore and Howard Counties.

Location

At the time of project request, Anne Arundel County's proportional share of the project has not been agreed upon. Local share could range between 4% to 10% of the total \$500 million dollar project cost.

Future funding requests will be made in the 5 Yr Program once percentages are agreed upon by all jurisdictions.

Countywide

Benefit

The new facility is needed to meet regulatory requirements for potable water treatment, to provide operational reliability and to meet future demands. When completed, Fullerton will provide operational reliability to allow upgrade/rehabilitation of the Montebello Filtration Plant that currently provides water supply to Anne Arundel County

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	FY2019	Capital Program (\$000)					Beyond 6 Years
						FY2020	FY2021	FY2022	FY2023		
\$100,000	Plans and Engineering	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Overhead	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$106,000	Total	\$106,000	\$106,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W804600 Balt City - Fullerton WTP

Class: Water

FY2018

Council Approved

Project Status

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

Change from Prior Year

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

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

Initial Total Project Cost Estimate

FY 2011 \$106,000

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 FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$106,000	Water Bonds	\$106,000	\$106,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$106,000	Total	\$106,000	\$106,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W805000 Water Fac Emerg Generators

Class: Water

FY2018

Council Approved

Description

This multi-year project provides funding for the design and construction of new and replacement generator installations at water treatment plants, water booster pumping stations, water production wells and other water related facilities located throughout the County. Generator installations will include generator, fuel storage, automatic transfer switches, sound attenuation and necessary electrical components/wiring, as well as, associated alterations to address code compliance issues.

Location

Countywide

Benefit

Generators provide a back up power source for water production and transmission facilities in the event of primary power failures. The supplemental power source will allow the utility to meet domestic and fire water demands in the event of extended power outages.

Amendment History

County Council removed \$45k via AMD #80 to Bill 29-15. County Council removed \$45k/year in FYs17-20 via AMD #117 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,807,000	Plans and Engineering	\$1,758,000	\$1,210,000	(\$248,000)	\$0	\$199	\$199	\$199	\$199	
\$40,000	Land	\$45,000	\$25,000	\$0	\$0	\$5	\$5	\$5	\$5	
\$12,253,000	Construction	\$11,782,000	\$7,285,000	(\$2,127,000)	\$0	\$1,656	\$1,656	\$1,656	\$1,656	
\$848,000	Overhead	\$810,000	\$563,000	(\$125,000)	\$0	\$93	\$93	\$93	\$93	
\$14,948,000	Total	\$14,395,000	\$9,083,000	(\$2,500,000)	\$0	\$1,953	\$1,953	\$1,953	\$1,953	
More (Less) Than Prior Year Program:		(\$553,000)	\$0	(\$2,500,000)	\$0	(\$2)	(\$2)	(\$2)	\$1,953	Multi-Yr

W805000 Water Fac Emerg Generators

Class: Water

FY2018 Council Approved

Project Status

1. Current status of this project: Active
2. Action taken in Current Fiscal Year: Multi-year Project
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: Deferred program request based on available balance.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2014 \$9,077,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$349,222	\$1,699,390	\$2,048,612
April 1, 2016	\$1,933,937	\$245,930	\$2,179,867

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$13,605,760	Water Bonds	\$13,052,760	\$7,740,760	(\$2,500,000)	\$0	\$1,953	\$1,953	\$1,953	\$1,953	
\$1,078,240	Other Fed Grants	\$1,078,240	\$1,078,240	\$0	\$0	\$0	\$0	\$0	\$0	
\$264,000	Bond Premium	\$264,000	\$264,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$14,948,000	Total	\$14,395,000	\$9,083,000	(\$2,500,000)	\$0	\$1,953	\$1,953	\$1,953	\$1,953	
More (Less) Than Prior Year Program:		(\$553,000)	\$0	(\$2,500,000)	\$0	(\$2)	(\$2)	(\$2)	\$1,953	Multi-Yr

W805400 Pike Drive Water Extension

Class: Water

FY2018 Council Approved

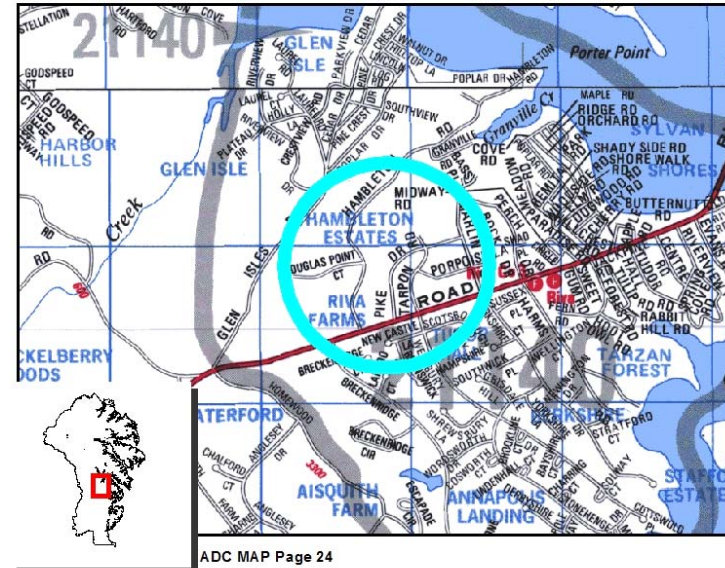
Description

This project provides the design, right-of-way acquisition, and construction of a public water service extension. This project will extend service to approximately 28 properties and is in response to a valid petition for public water service.

Benefit

This project will provide public water service to properties served currently by private on-site wells.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$119,000	Plans and Engineering	\$119,000	\$119,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$7,000	Land	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$593,000	Construction	\$593,000	\$593,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$51,000	Overhead	\$51,000	\$51,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$770,000	Total	\$770,000	\$770,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W805400 Pike Drive Water Extension

Class: Water

FY2018

Council Approved

Project Status

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

Change from Prior Year

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

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

Initial Total Project Cost Estimate

FY 2016 \$570,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$0	\$0	\$0
April 1, 2016	\$39,013	\$17,523	\$56,536

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$770,000	Water Bonds	\$770,000	\$770,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$770,000	Total	\$770,000	\$770,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W805500 Arnold Lime System Upgrade

Class: Water

FY2018

Council Approved

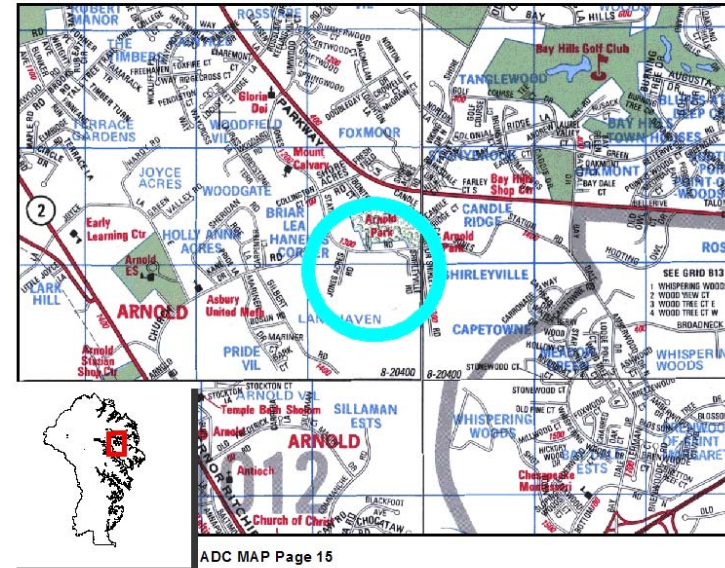
Description

This project includes the upgrade of the lime handling and feed system to meet the demands of the upgraded 16-mgd facility and the regulatory requirements mandated by the Environmental Protection Agency and the Maryland Department of the Environment. The project also includes concrete repairs to the facility's clarifiers and the design and construction of a catwalk between the facility's process tanks.

Benefit

The project work will provide lime handling and feed system sized appropriately to meet the process capacity of the facility and will improve overall efficiency of operation.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$212,000	Plans and Engineering	\$212,000	\$212,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,537,000	Construction	\$5,537,000	\$5,537,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$375,000	Overhead	\$375,000	\$375,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,129,000	Total	\$6,129,000	\$6,129,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W805500 Arnold Lime System Upgrade

Class: Water

FY2018

Council Approved

Project Status

1. Current Status of this Project: Contract Initiation
2. Action Taken in Current FY: Complete Schematic Design
3. Action Required to Complete This Project: Complete Design, Bid, Construct

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 0 \$0

Financial Activity

Expended	Encumbered	Total
April 1, 2015	\$0	\$0
April 1, 2016	\$106,490	\$0
		\$106,490

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$6,129,000	Water Bonds	\$6,129,000	\$6,129,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,129,000	Total	\$6,129,000	\$6,129,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

W805600 Dorsey Lime System Upgrade

Class: Water

FY2018

Council Approved

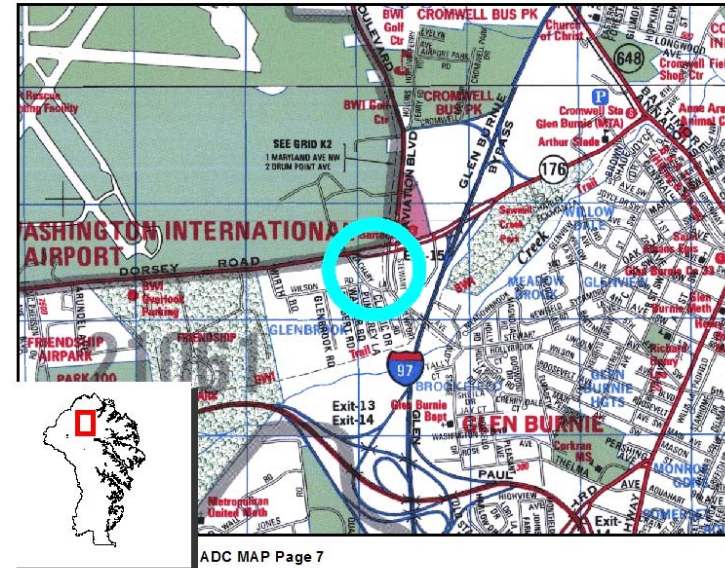
Description

The purpose of this project is to design and construct several process system upgrades to maintain reliable operation of the facility's treatment components including the lime system volumetric control system, mixers, silo activators, lime pump control system, and the lime feed lines inside the process building as well as those delivering lime to the outdoor application points.

Benefit

The improvements are necessary to upgrade/rehabilitate facility infrastructure to extend the lime system operating life and to maintain efficient treatment operations.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$280,000	Plans and Engineering	\$280,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,631,000	Construction	\$2,631,000	\$0	\$0	\$2,631	\$0	\$0	\$0	\$0	\$0
\$204,000	Overhead	\$152,000	\$20,000	\$0	\$132	\$0	\$0	\$0	\$0	\$0
\$3,120,000	Total	\$3,068,000	\$305,000	\$0	\$2,763	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$52,000)	\$0	(\$2,815,000)	\$2,763	\$0	\$0	\$0	\$0	\$0

W805600 Dorsey Lime System Upgrade

Class: Water

FY2018

Council Approved

Project Status

1. Current Status of This Project: Contract Initiation
2. Action Taken in Current FY: Procure Design Services
3. Action Required to Complete Design, Bid and Construct Improvements

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 0 \$0

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$0	\$0	\$0
April 1, 2016	\$792	\$0	\$792

Prior Year Project Total	Funding	Project Total	Prior Approval	Capital Program (\$000)						Beyond 6 Years
				Budget FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	
\$3,120,000	Water Bonds	\$3,068,000	\$305,000	\$0	\$2,763	\$0	\$0	\$0	\$0	\$0
\$3,120,000	Total	\$3,068,000	\$305,000	\$0	\$2,763	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$52,000)	\$0	(\$2,815,000)	\$2,763	\$0	\$0	\$0	\$0	\$0

W805700 Heritage Harbor Wtr Takeover

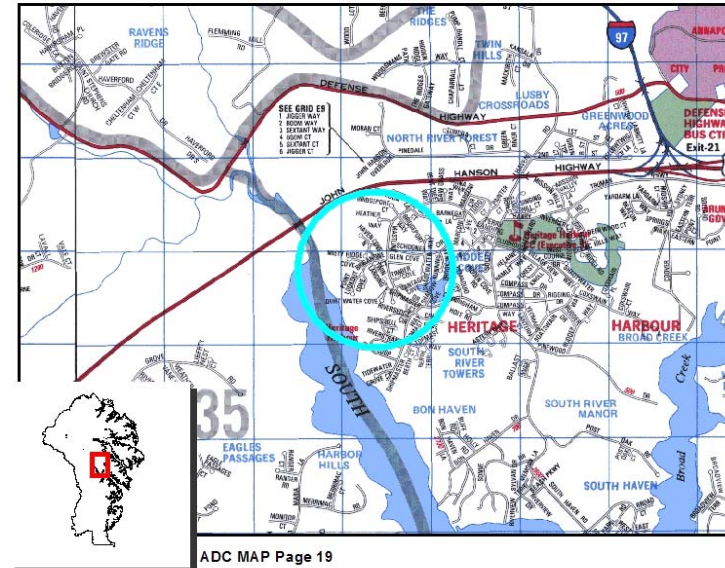
Class: Water

FY2018

Council Approved

Description

Project includes Design, Right-of-way acquisition, and construction of water improvements based on a valid petition for approximately 106 units. The project is located in the Heritage Harbor sections of Crest Cove, Misty Ridge Cove, North Haven Cove, Point Lookout Cove, Quiet Waters Cove, and Twin Landings Cove.



Benefit

The Heritage Harbor sections of Crest Cove, Misty Ridge Cove, North Haven Cove, Point Lookout Cove, Quiet Waters Cove, and Twin Landings Cove have requested through petition that DPW takeover and maintain their existing private water system.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
	Plans and Engineering	\$149,000	\$0	\$149,000	\$0	\$0	\$0	\$0	\$0	\$0
	Land	\$3,000	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$1,031,000	\$0	\$0	\$1,031	\$0	\$0	\$0	\$0	\$0
	Overhead	\$59,000	\$0	\$7,000	\$52	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$1,242,000	\$0	\$159,000	\$1,083	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$1,242,000	\$0	\$159,000	\$1,083	\$0	\$0	\$0	\$0	\$0

W805700 Heritage Harbor Wtr Takeover

Class: Water

FY2018

Council Approved

Project Status

1. Current Status of This Project: New Project
2. Action Take in Current Fiscal Year: New Project
3. Action Required to Complete This Project: Design, Acquisition of Right-of-way, and Construction of Water System Improvements

Change from Prior Year

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

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

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

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
	Water Bonds	\$1,242,000	\$0	\$159,000	\$1,083	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$1,242,000	\$0	\$159,000	\$1,083	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$1,242,000	\$0	\$159,000	\$1,083	\$0	\$0	\$0	\$0	\$0

W805800 Whiskey Bottom Road Interconn

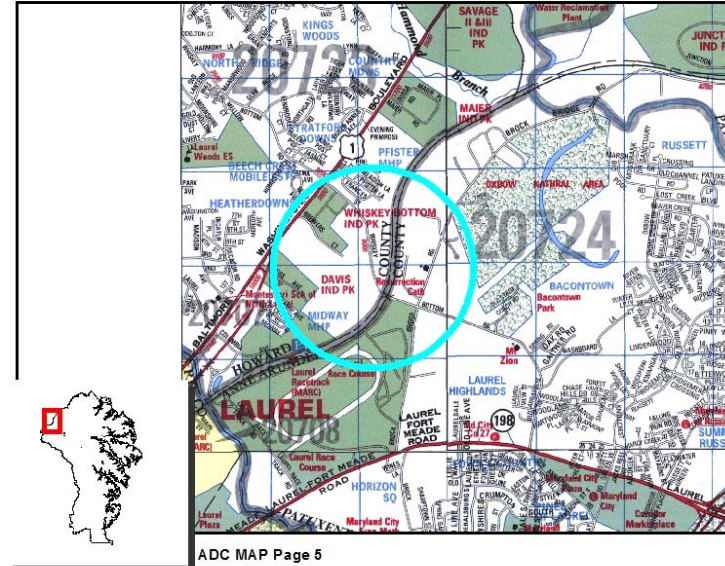
Class: Water

FY2018

Council Approved

Description

Project consists of design, right of way acquisition, and construction of approximately 1600 LF of new 12" water main connecting the existing water main in Whiskey Bottom Road to the Howard County Public Water System.



Benefit

This will allow for an emergency connection to the Howard County Public Water System if required, allowing for additional redundancy in the Maryland City Pressure Zone and the Laurel area.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
	Plans and Engineering	\$256,000	\$0	\$256,000	\$0	\$0	\$0	\$0	\$0	\$0
	Land	\$53,000	\$0	\$53,000	\$0	\$0	\$0	\$0	\$0	\$0
	Construction	\$2,743,000	\$0	\$0	\$2,743	\$0	\$0	\$0	\$0	\$0
	Overhead	\$153,000	\$0	\$16,000	\$137	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$3,205,000	\$0	\$325,000	\$2,880	\$0	\$0	\$0	\$0	\$0
	More (Less) Than Prior Year Program:	\$3,205,000	\$0	\$325,000	\$2,880	\$0	\$0	\$0	\$0	\$0

W805800 Whiskey Bottom Road Interconn

Class: Water

FY2018

Council Approved

Project Status

1. Current Status of This Project: New Project
2. Action Take in Current Fiscal Year: New Project
3. Action Required to Complete This Project: New Project

Change from Prior Year

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

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 0 \$0

Financial Activity

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

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
	Water Bonds	\$3,205,000	\$0	\$325,000	\$2,880	\$0	\$0	\$0	\$0	\$0
\$0	Total	\$3,205,000	\$0	\$325,000	\$2,880	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$3,205,000	\$0	\$325,000	\$2,880	\$0	\$0	\$0	\$0	\$0

X733700 Water Main Repl/Recon

Class: Water

FY2018

Council Approved

Description

This is a multi-year Water Infrastructure Investigation, Rehabilitation and Replacement Program. Numerous complaints of low pressure and dirty water 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. This is an ongoing program to replace 2" and 3" water mains and to rehabilitate or replace deteriorating 4" and larger water mains. Studies of the distribution network are also included in this project.

Location

Request for FY'98 and future years has been increased \$0.6m for changeout of 5,000 aged meters per year that do not provide accurate reading and result in lost revenue. Changeout will include conversion to radio read technology.

Countywide

Benefit

To ensure the adequacy of the county's water distribution system.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Added \$2,000,000 via AMD #25 to Bill 23-14. Removed \$5m via AMD #19 to Bill 23-14. County Council removed \$250k via AMD #152 and added \$1,930,000 via AMD #190 and added \$1,680,000/year for FTs 17-21 via AMD #201 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
(\$789,813)	Plans and Engineering	(\$798,863)	(\$798,863)	\$0	\$0	\$0	\$0	\$0	\$0	
\$6,885	Land	\$6,885	\$6,885	\$0	\$0	\$0	\$0	\$0	\$0	
(\$12,047,392)	Construction	(\$18,094,026)	(\$18,094,026)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$719,836)	Overhead	(\$1,020,129)	(\$1,020,129)	\$0	\$0	\$0	\$0	\$0	\$0	
\$61,743,354	Other	\$77,507,987	\$40,307,987	\$6,200,000	\$6,200	\$6,200	\$6,200	\$6,200	\$6,200	
\$48,193,199	Total	\$57,601,854	\$20,401,854	\$6,200,000	\$6,200	\$6,200	\$6,200	\$6,200	\$6,200	
More (Less) Than Prior Year Program:		\$9,408,655	(\$6,791,345)	\$2,000,000	\$2,000	\$2,000	\$2,000	\$2,000	\$6,200	Multi-Yr

X733700 Water Main Rep/Recon

Class: Water

FY2018 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Small diameter water main, water lateral, and bonnet bolt replacement
3. Action Required To Complete This Project: Mult-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Increased Funding FY18-22 and added FY23 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 1985 \$1,200,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$11,994,431	\$6,197,979	\$18,192,410
April 1, 2016	\$10,838,628	\$8,214,079	\$19,052,707

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$24,754,183	Water Bonds	\$36,371,854	\$14,051,854	\$3,720,000	\$3,720	\$3,720	\$3,720	\$3,720	\$3,720	
\$21,189,016	Water PayGo	\$18,980,000	\$4,100,000	\$2,480,000	\$2,480	\$2,480	\$2,480	\$2,480	\$2,480	
\$2,250,000	Bond Premium	\$2,250,000	\$2,250,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$48,193,199	Total	\$57,601,854	\$20,401,854	\$6,200,000	\$6,200	\$6,200	\$6,200	\$6,200	\$6,200	
More (Less) Than Prior Year Program:		\$9,408,655	(\$6,791,345)	\$2,000,000	\$2,000	\$2,000	\$2,000	\$2,000	\$6,200	Multi-Yr

X764300 Water Proj Planning

Class: Water

FY2018

Council Approved

Description

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

Location

Countywide

Benefit

Provides for future planning of contemplated projects.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Switched \$1,210,000 of Bonds for PayGo via AMD #49 & 50 to Bill 46-13. Removed \$300,000 via AMD #18 to Bill 23-14.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
(\$2,752)	Plans and Engineering	(\$2,752)	(\$2,752)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$7,355)	Overhead	(\$7,355)	(\$7,355)	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,524,530	Other	\$1,674,530	\$1,524,530	\$150,000	\$0	\$0	\$0	\$0	\$0	
\$1,514,423	Total	\$1,664,423	\$1,514,423	\$150,000	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$274,530	\$124,530	\$150,000	\$0	\$0	\$0	\$0	\$0	Multi-Yr

X764300 Water Proj Planning

Class: Water

FY2018 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Truman Parkway Water Main Investigation, Brockbridge WTM Corrosion Study, Broad Creek II WTP Rehab.
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 need to fund future planning studies.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1993 \$300,000

Financial Activity

Expended	Encumbered	Total	
April 1, 2015	\$567,154	\$220,566	\$787,720
April 1, 2016	\$748,750	\$430,040	\$1,178,790

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$479,893	Water Bonds	\$754,423	\$604,423	\$150,000	\$0	\$0	\$0	\$0	\$0	
\$910,000	Water PayGo	\$910,000	\$910,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,389,893	Total	\$1,664,423	\$1,514,423	\$150,000	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$274,530	\$124,530	\$150,000	\$0	\$0	\$0	\$0	\$0	Multi-Yr

X787000 Water Storage Tank Painting

Class: Water

FY2018

Council Approved

Description

This project is initiated to ensure the integrity of the current inventory of elevated and ground storage water tanks and is part of an ongoing project to inspect, rehabilitate and paint the current inventory within an economically feasible period of time. Future tank rehabilitation/painting is programmed as follows:

Location

FY17 - Jacobsville, Jessup, Arundel Mills, Arnold GST, Arnold GST, Crofton Sphere, Broad Creek II GST.

FY18 - Central Avenue and MD City Evaluation

FY19 - Gate and Altitude Valve Replacement

*Priorities will be reviewed annually. Rehabilitation sequencing may change.

Countywide

Benefit

Preventive maintenance of infrastructure.

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed \$1m via AMD #154, added \$357k via AMD #191, \$357k in FY17, \$357k in FY18, \$1,611,000 in FY20 and \$835k in FY21 and decreased \$835k in FY19 via AMD #202 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$1,875,870	Plans and Engineering	\$2,174,870	\$1,653,870	\$222,000	\$103	\$196	\$0	\$0	\$0	
\$27,254,153	Construction	\$30,490,292	\$20,207,292	\$2,585,000	\$1,891	\$1,792	\$1,987	\$1,831	\$197	
\$1,928,445	Overhead	\$1,962,868	\$1,420,868	\$140,000	\$100	\$100	\$100	\$92	\$10	
\$50,000	Other	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$31,108,467	Total	\$34,678,030	\$23,332,030	\$2,947,000	\$2,094	\$2,088	\$2,087	\$1,923	\$207	
More (Less) Than Prior Year Program:		\$3,569,563	(\$88,437)	\$0	\$1,026	\$2,088	(\$1,586)	\$1,923	\$207	Multi-Yr

X787000 Water Storage Tank Painting

Class: Water

FY2018 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction of, Arnold, Linthicum, Jacobsville, and Broad Creek II GST.
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: Nonr
2. Change In Total Project Cost: Increased FY19, Added FY20, Decreased FY21 and added FY22 and F23 Funding
- 3 Change In Scope: None
- 4 Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1998 \$9,378,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$10,103,278	\$4,710,948	\$14,814,227
April 1, 2016	\$12,717,918	\$6,568,701	\$19,286,619

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$15,107,633	Water Bonds	\$18,019,030	\$11,212,030	\$1,768,000	\$1,256	\$1,253	\$1,252	\$1,154	\$124	
\$14,097,834	Water PayGo	\$14,756,000	\$10,217,000	\$1,179,000	\$838	\$835	\$835	\$769	\$83	
\$1,903,000	Bond Premium	\$1,903,000	\$1,903,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$31,108,467	Total	\$34,678,030	\$23,332,030	\$2,947,000	\$2,094	\$2,088	\$2,087	\$1,923	\$207	
More (Less) Than Prior Year Program:		\$3,569,563	(\$88,437)	\$0	\$1,026	\$2,088	(\$1,586)	\$1,923	\$207	Multi-Yr

Y514200 Routine Water Extensions

Class: Water

FY2018 Council Approved

Description

This project is for design, land acquisition and construction of minor extensions and minor projects identified by the department to the existing water system as petitioned by residents or determined necessary as an integral requirement of CIP Road Improvement that accommodate the road design and/or avoids future excavation of the new road infrastructure. It will also enable the Department of Public Works to respond to emergency situations mandated by the Maryland Department of the Environment for water service.

Location

Construction of major extensions (those estimated to cost more than \$250,000) are programmed and budgeted as separate capital projects.

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 \$200,000 via AMD #30 to Bill 31-16. Removed \$200k via AMD #68 to Bill 36-17.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
(\$223,333)	Plans and Engineering	(\$367,073)	(\$367,073)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$62)	Land	(\$62)	(\$62)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$240,355)	Construction	(\$592,135)	(\$592,135)	\$0	\$0	\$0	\$0	\$0	\$0	
(\$22,833)	Overhead	(\$52,644)	(\$52,644)	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,950,825	Other	\$2,750,825	\$1,950,825	(\$200,000)	\$200	\$200	\$200	\$200	\$200	
\$2,464,242	Total	\$1,738,911	\$938,911	(\$200,000)	\$200	\$200	\$200	\$200	\$200	
More (Less) Than Prior Year Program:		(\$725,331)	(\$525,331)	(\$400,000)	\$0	\$0	\$0	\$0	\$200	Multi-Yr

Y514200 Routine Water Extensions

Class: Water

FY2018 Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Feasibility studies for Oakdale Circle, Coriander Place/Gingerville Manor, Chesnut Springs Lane and a Water Extension at Robey Lane
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Decrease Funding in FY18 and Added FY23 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 1968 \$94,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$564,406	\$77,034	\$641,440
April 1, 2016	\$75,369	\$240,675	\$316,045

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2018	Capital Program (\$000)					Beyond 6 Years
					FY2019	FY2020	FY2021	FY2022	FY2023	
\$2,464,242	Water Bonds	\$1,738,911	\$938,911	(\$200,000)	\$200	\$200	\$200	\$200	\$200	
\$2,464,242	Total	\$1,738,911	\$938,911	(\$200,000)	\$200	\$200	\$200	\$200	\$200	
More (Less) Than Prior Year Program:		(\$725,331)	(\$525,331)	(\$400,000)	\$0	\$0	\$0	\$0	\$200	Multi-Yr

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