

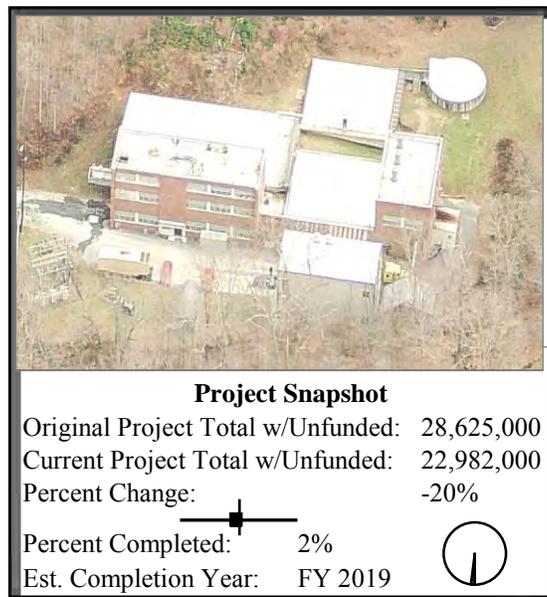
Project Name: Water System Facility Improvement
Project Number: 210-850-1C34
Program Area: Utilities

Prior Appropriations: 629,000
 Add New Appropriations: 600,000
 Add Future Appropriations: 21,753,000
Current Project Total: 22,982,000
 Add Unfunded: -
Current Project Total with Unfunded: 22,982,000

Status of Prior Year Appropriations as of 04/01/11:

Prior Year Appropriations: 629,000
 Less Expended: 24,378
Prior Year Funds Carried Over: 604,622
 Add New Appropriations: 600,000
Total FY 2012 Appropriations: 1,204,622

Percent Expended: 0%



Description: This project funds a phased study, design, and construction of water system improvements to improve water quality, increase production capacity, and rehabilitate/replace aging components, which are at the end of their life cycle. These improvements will comply with environmental regulations from the Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE). Optimization of the existing water treatment, storage, and distribution systems will be needed to meet the new EPA Disinfection Byproducts Rule and Long Term 2 Enhanced Surface Water Treatment Rule. Due to the high cost of these proposed improvements, a detailed alternatives analysis and series of pilot studies are being prepared to identify the most cost-effective means of maintaining regulatory compliance while looking to increase system capacity to meet future demands. Projects and schedule are based upon preliminary engineering reports and will be refined as studies are completed.

Appropriation Schedule	Prior Approps	New Approps	Future Appropriation Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Plan/Design/Insp	-	600,000	-	-	1,665,000	700,000	1,574,000	4,539,000
Construction	629,000	-	-	-	-	6,000,000	11,814,000	18,443,000
Total	629,000	600,000	-	-	1,665,000	6,700,000	13,388,000	22,982,000
Funding Schedule	Prior Funding	New Funding	Future Funding Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Water Fund	-	600,000	-	-	1,665,000	6,700,000	13,388,000	22,353,000
Bond Proceeds (Water)	629,000	-	-	-	-	-	-	629,000
Total	629,000	600,000	-	-	1,665,000	6,700,000	13,388,000	22,982,000
Unfunded Schedule		FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	Total
Unfunded		-	-	-	-	-	-	-
Operating Cost Impact		FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Water Fund		-	-	-	-	-	-	

Explanation of impact: The impact on the operating budget is unknown until pilot studies and specific improvements are completed.

Schedule: Prior years work to be completed — Perform water system redistricting study; pilot test high rate clarification (ACTIFLO) and disinfection (UV). FY 2012 — Construct air scour for filters; perform filter testing. FY 2015 — Design ACTIFLO, disinfection, Equalization (EQ) expansion and electrical improvements; begin construction of EQ expansion. FY 2016 — Design hypochlorite system and chemical feed improvements; begin construction of electrical improvements, ACTIFLO, and disinfection; complete construction of EQ Tank Expansion. Future Years — Complete construction ACTIFLO, disinfection, and electrical improvements; construct hypochlorite system and chemical feed improvements.

Status: Implementation. This project first appeared in the FY 2011 CIP. *Funding Note:* \$643,000 was transferred out of the Water System Facility Improvements (210-850-1C34) project in FY 2011 to fund emergency repairs on the 24-inch transmission main. \$5 million originally planned for FY 2013 is being reprogrammed into the Water Tank Improvements (210-850-7A34) CIP in FY 2013 for tank improvement design and construction.

Coordination: Washington Suburban Sanitary Commission (WSSC); MDE; Water Plant — ARRA Grant project (210-850-8A84); Water Tank Improvements project (210-850-7A34).

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