

Project Name: Water Plant Upgrades
Project Number: 210-850-4A40
Program Area: Utilities



Project Snapshot

Original Project Total w/Unfunded: 300,000
 Current Project Total w/Unfunded: 4,140,500
 Percent Change: 1,280%
 Percent Completed: 60%
 Est. Completion Year: FY 2012



Prior Appropriations: 4,140,500
 Add New Appropriations: -
 Add Future Appropriations: -
Current Project Total: 4,140,500
 Add Unfunded: -
Current Project Total with Unfunded: 4,140,500

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

Prior Year Appropriations: 4,140,500
 Less Expended: 1,283,707
Prior Year Funds Carried Over: 2,856,793
 Add New Appropriations: -
Total FY 2012 Appropriations: 2,856,793
Percent Expended: 31%

Description: This project funds the analysis, study, design, and construction of a new 57-ft diameter gravity thickener and full scale coagulant testing. This improvement and testing will help ensure compliance with the filter backwash recycling regulations, the new Disinfection Byproducts (DBP) Rule, and Long Term 2 Enhanced Surface Water Treatment Rule from the Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE). The new thickener will allow the plant to better manage the solids and recycled water flows while the full scale testing will optimize plant system operations for DBP precursor removal.

Appropriation Schedule	Prior Approps	New Approps	Future Appropriation Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Plan/Design/Insp	1,804,500	-	-	-	-	-	-	1,804,500
Construction	2,336,000	-	-	-	-	-	-	2,336,000
Total	4,140,500	-	-	-	-	-	-	4,140,500

Funding Schedule	Prior Funding	New Funding	Future Funding Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Water Fund	255,500	-	-	-	-	-	-	255,500
Bond Proceeds (Water)	3,885,000	-	-	-	-	-	-	3,885,000
Total	4,140,500	-	-	-	-	-	-	4,140,500

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	-	15,000	-	-	-	-

Explanation of impact: This project added \$10,000 to the FY 2011 and will add \$15,000 to the FY 2013 operating budgets for chemicals, electricity, and maintenance.

Schedule: Prior years work to be completed — Perform full scale coagulant testing for plant optimization; construct solids handling (57-ft diameter thickener) improvements.

Status: Implementation. This project first appeared in the FY 2004 CIP.

Coordination: Washington Suburban Sanitary Commission (WSSC); MDE; Water Plant — ARRA Grant project (210-850-8A84); Water System Facility Improvement (210-850-1C34).

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