

Fund 69300

Sewer Construction Improvements

Focus

Fund 69300 (formerly Fund 402), Sewer Construction Improvements, provides for wastewater management construction projects through a transfer of funds from Fund 69000, Sewer Revenue. All projects in Fund 69300 are fully supported by sewer system revenues.

Funding in the amount of \$84,489,000 is included in Fund 69300, Sewer Construction Improvements, in FY 2014. FY 2014 is an increase of \$54,489,000 or 81.6 percent over the FY 2013 Adopted Budget Plan level. This increase is primarily due to the transition of financing from bond funding to cash

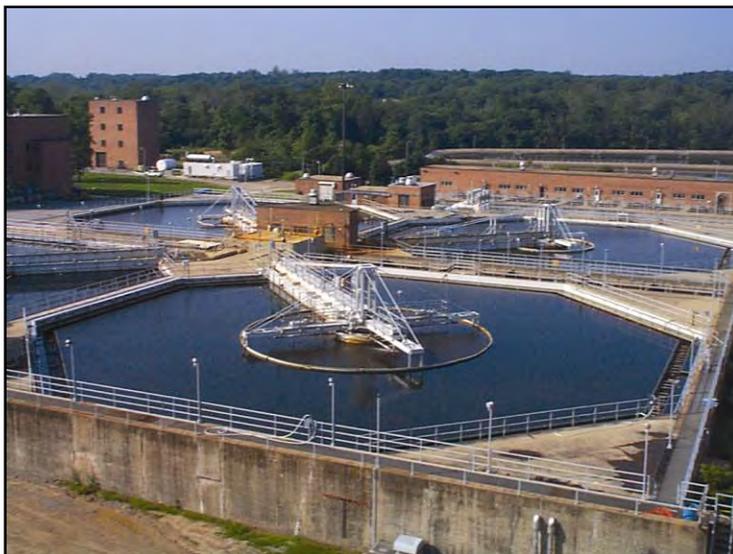


Photo of the Noman M. Cole Jr. Pollution Control Plant

funding to meet critical wastewater capital construction requirements. Funding for Blue Plains and Alexandria Renew Enterprises Upgrade Replacement and Renewal projects were previously included in Fund 69310, Sewer Bond Construction. Funding these upgrade projects with system revenues will allow the County to reduce debt issuance and interest expenses. FY 2014 funding will provide for the following projects:

Blue Plains Upgrade Replacement and Rehabilitation

This project funds the County's share of upgrades to the DC Water's Blue Plains Treatment Plant. Funding in the amount of \$26,690,000 is included for facility improvements to comply with nutrient discharge limits. Projects supporting the Enhanced Nitrogen Removal Program include, providing an additional 40 million gallons of new anoxic reactor capacity for nitrogen removal, a new post aeration facility, pump station, and other new facilities to store and feed methanol and alternative sources of carbon. Construction continues on this project and is scheduled to be completed in 2016. In addition, funding will also provide for the Clean Rivers Project to prevent combined storm and sanitary overflows during major storm events by storing the overflow in tunnels until the plant has capacity to fully treat the water. This project is currently under construction and is scheduled to be completed by summer 2016. The County is responsible for 31 of the 370 mgd or 8.38 percent of capacity at the Blue Plains Treatment Plant.

Alexandria Renew Enterprises Upgrade Replacement and Renewal

This project funds the County's share of the upgrades to the Alexandria Renew Enterprises (AREnew) Treatment Plant. Fairfax County is one of many jurisdictions which participate in the Joint Capital Improvement Program. Funding supports the design and construction of a State of the Art Nitrogen Upgrade Program for nitrogen removal. The State of the Art Nitrogen Upgrade Program will be completed in 6 phases to allow the spread of design and construction costs over an 8 year period. The long range plan was completed in 2008, and 2 of the 6 phases were completed in 2011; the remaining phases will be completed by 2016. FY 2014 funding in the amount of \$25,225,000 is included for engineering design, construction management, landscape architecture and engineering services during construction to comply with the nutrient discharge limits. The County is responsible for 32.4 of the 54 mgd or 60 percent of capacity at the Alexandria Renew Enterprises' Treatment Plant.

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Collection System Replacement and Rehabilitation

This is a continuing project established to implement systematic rehabilitation of the County's more than 3,390 miles of sanitary sewer lines. Rehabilitation includes the use of trenchless technology to approximately 20 miles of sewer per year. FY 2014 funding in the amount of \$11,210,000 is included to continue the systematic rehabilitation of the County's force mains. Currently Dead Run Force Main and Difficult Run Force Main are in the design phase for rehabilitation. There are nine other force mains scheduled for rehabilitation in FY 2014, including: Barcroft I, Barcroft II, Langley School, Mt. Vernon Terrance, Wellington I, Ravenwood, Springfield, Wayne Wood I, and Wayne Wood II.

Pumping Stations

This project provides for the planned replacement of pumping stations throughout the County. FY 2014 funding of \$7,712,000 is included for the regularly scheduled repair, renovation, and replacement of pumping station equipment and facilities.

Noman Cole Treatment Plant Renewal

This project provides for the continuation of systematic rehabilitation of structures and equipment at the Noman M. Cole, Jr. Pollution Control Plant (NMCPCP). FY 2014 funding in the amount of \$8,730,000 is included for the rehabilitation and replacement of pumps, gates, and valves; rehabilitation of grit removal facilities; stormwater runoff improvements and rehabilitation of chemical facilities.

Extension and Improvement Projects

Funding in the amount of \$3,000,000 is included to satisfy the annual appropriation requirement for the County's new Extension and Improvement (E&I) Program as approved by the Board of Supervisors on April 12, 2011. This policy adjusts the Connection Charges such that the future cost of the E&I Program is shared equally between the County's Sewer Fund and the property owners seeking public sewer service.

Robert P. McMath Facility Improvements

This project will provide funding for improvements at the Robert P. McMath Facility. The McMath Facility houses staff who support pump station operation and maintenance; collection system maintenance, inspections and metering; the Miss Utility Program, the Trouble Response Center and administrative staff to support field operations for the Wastewater Collection Division. FY 2014 funding in the amount of \$1,050,000 is included to support interior repairs such as interior lighting upgrades for energy conservation.

Integrated Sewer Metering

This project will provide for the planned replacement of sewer meters throughout the County. FY 2014 funding in the amount of \$286,000 is provided for the replacement of sewer meters used for measuring wastewater flow to and from other jurisdictions for billing and monitoring purposes as well as portable meters used in infiltration and inflow studies to measure wet weather flows.

Arlington Wastewater Treatment Plant Rehabilitation

This project will provide funding for plant upgrades at the Arlington Wastewater Treatment Plant. FY 2014 funding in the amount of \$586,000 is included for annual repair and rehabilitation work for various facilities as scheduled in Arlington County's Capital Improvement Program. The County is responsible for 3.0 of the 40 mgd or 7.5 percent of capacity at the Arlington Wastewater Treatment Plant.

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Changes to FY 2013 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2013 Revised Budget Plan since passage of the FY 2013 Adopted Budget Plan. Included are all adjustments made as part of the FY 2012 Carryover Review, FY 2013 Third Quarter Review, and all other approved changes through April 23, 2013.

◆ **Carryover Adjustments**

As part of the *FY 2012 Carryover Review*, the Board of Supervisors approved an increase of \$31,758,367 due to the carryover of unexpended project balances.

A Fund Statement and a Summary of Capital Projects are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., a contingency or planning project).

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FUND STATEMENT

Fund 69300, Sewer Construction Improvements

	FY 2012 Actual	FY 2013 Adopted Budget Plan	FY 2013 Revised Budget Plan	FY 2014 Advertised Budget Plan	FY 2014 Adopted Budget Plan
Beginning Balance	\$33,017,450	\$0	\$31,758,367	\$0	\$0
Transfers In:					
Sewer Revenue (69000)	\$29,000,000	\$30,000,000	\$30,000,000	\$84,489,000	\$84,489,000
Total Transfers In	\$29,000,000	\$30,000,000	\$30,000,000	\$84,489,000	\$84,489,000
Total Available	\$62,017,450	\$30,000,000	\$61,758,367	\$84,489,000	\$84,489,000
Total Expenditures	\$30,259,083	\$30,000,000	\$61,758,367	\$84,489,000	\$84,489,000
Total Disbursements	\$30,259,083	\$30,000,000	\$61,758,367	\$84,489,000	\$84,489,000
Ending Balance¹	\$31,758,367	\$0	\$0	\$0	\$0

¹ The capital projects in this sewer fund are budgeted based on the total project costs. Most projects span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

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FY 2014 Summary of Capital Projects

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Project #	Description	Total Project Estimate	FY 2012 Actual Expenditures	FY 2013 Revised Budget	FY 2014 Advertised Budget Plan	FY 2014 Adopted Budget Plan
2G25-063-000	Fund Contingency		\$0.00	\$4,865,334.91	\$0	\$0
WW-000001	Pumping Stations	18,952,619	1,655,698.46	8,908,230.82	7,712,000	7,712,000
WW-000002	Dogue Creek Rehabilitation/Replacement	23,378,000	5,105,237.52	11,227,392.24	0	0
WW-000003	Little Rocky Run Upgrades	475,865	193,235.46	101,276.93	0	0
WW-000004	Robert P. Mcmath Facility Improvements	2,070,000	233,388.23	522,737.19	1,050,000	1,050,000
WW-000005	Integrated Sewer Metering	1,132,906	0.00	114,019.40	286,000	286,000
WW-000006	Extension & Improvement Projects	11,538,114	2,188,291.49	4,994,621.47	3,000,000	3,000,000
WW-000007	Collection System Replacement and Rehab.	57,962,909	12,428,442.15	25,331,232.10	11,210,000	11,210,000
WW-000009	Noman Cole Treatment Plant Renewal	17,016,000	2,569,104.51	3,129,914.72	8,730,000	8,730,000
WW-000018	Replacement and Transmission- Rehab.	63,750,766	(8,057.50)	434,997.77	0	0
WW-000019	Replacement and Renewal- Treatment	24,940,042	(32,075.00)	54,427.00	0	0
WW-000020	Arlington WWTP Rehab.	2,586,000	134,419.00	1,865,581.00	586,000	586,000
WW-000021	ASA WWTP Upgrades and Rehab.	31,225,000	5,791,398.83	208,601.17	25,225,000	25,225,000
WW-000022	Blue Plains WWTP Upgrades and Rehab.	26,690,000	0.00	0.00	26,690,000	26,690,000
Total		\$281,718,221	\$30,259,083.15	\$61,758,366.72	\$84,489,000	\$84,489,000