

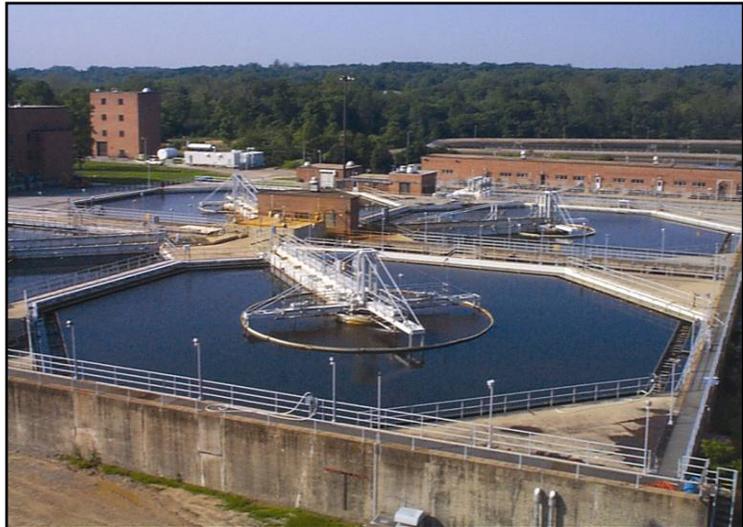
# Fund 69300

## Sewer Construction Improvements

### Focus

Fund 69300, 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 \$83,693,176 is included in Fund 69300, Sewer Construction Improvements, in FY 2015. FY 2015 funding will provide for the following projects:



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

#### Pumping Stations

This project provides for the planned replacement of pumping stations throughout the County. FY 2015 funding of \$4,582,789 is included for the regularly scheduled repair, renovation, and replacement of pumping station equipment and 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 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 when the Health Department determines the properties' septic systems have failed.

#### 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 rehabilitate approximately 20 miles of sewer per year. FY 2015 funding in the amount of \$12,428,135 is included to continue the systematic rehabilitation of the County's sewer lines.

#### Force Main Rehabilitation

Funding in FY 2015 in the amount of \$3,600,000 is provided to complete the rehabilitation of Dead Run Force Main and Difficult Run Force Main. In addition, there are nine other force mains scheduled to begin rehabilitation in FY 2015, including Barcroft I, Barcroft II, Langley School, Mt. Vernon Terrance, Wellington I, Ravenwood, Springfield, Wayne Wood I, and Wayne Wood II.

#### 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 2015 funding in the amount of \$5,121,554 is included for the rehabilitation and replacement of pumps, gates, and valves; rehabilitation of grit removal facilities; stormwater runoff improvements; and continuation of the rehabilitation of the motor control centers/distribution centers (MCC/DC) and bio-solids processing facilities.

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#### Arlington Wastewater Treatment Plant Rehabilitation

This project provides for plant upgrades at the Arlington Wastewater Treatment Plant. FY 2015 funding in the amount of \$307,000 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 mgd of the 40 mgd or 7.5 percent of the capacity at the Arlington Wastewater 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. Funding supports the design and construction of a State of the Art Nitrogen Upgrade Program (SANUP) for nitrogen removal. The SANUP will be completed in 6 phases to allow the spread of design and construction costs over a period of eight years. 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 2015 funding in the amount of \$37,198,399 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 mgd of the 54 mgd or 60 percent of the capacity at the Alexandria Renew Enterprises' Treatment Plant.

#### 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 \$17,455,299 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. 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 the summer of 2016. The County is responsible for 31 mgd of the 370 mgd or 8.38 percent of the capacity at the Blue Plains Treatment Plant.

### **Changes to FY 2014 Adopted Budget Plan**

*The following funding adjustments reflect all approved changes in the FY 2014 Revised Budget Plan since passage of the FY 2014 Adopted Budget Plan. Included are all adjustments made as part of the FY 2013 Carryover Review, and all other approved changes through December 31, 2013:*

- ◆ **Carryover Adjustments** **\$22,033,838**  
As part of the *FY 2013 Carryover Review*, the Board of Supervisors approved funding of \$22,033,838 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 2013 Actual	FY 2014 Adopted Budget Plan	FY 2014 Revised Budget Plan	FY 2015 Advertised Budget Plan
<b>Beginning Balance</b>	\$31,758,367	\$0	\$22,033,838	\$0
Transfers In:				
Sewer Revenue (69000)	\$30,000,000	\$84,489,000	\$84,489,000	\$83,693,176
<b>Total Transfers In</b>	\$30,000,000	\$84,489,000	\$84,489,000	\$83,693,176
<b>Total Available</b>	\$61,758,367	\$84,489,000	\$106,522,838	\$83,693,176
Total Expenditures	\$39,724,529	\$84,489,000	\$106,522,838	\$83,693,176
<b>Total Disbursements</b>	\$39,724,529	\$84,489,000	\$106,522,838	\$83,693,176
<b>Ending Balance<sup>1</sup></b>	\$22,033,838	\$0	\$0	\$0

<sup>1</sup> 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 2015 Summary of Capital Projects

#### Fund 69300, Sewer Construction Improvements

Project #	Description	Total Project Estimate	FY 2013 Actual Expenditures	FY 2014 Revised Budget	FY 2015 Advertised Budget Plan
2G25-063-000	Fund Contingency		\$0.00	\$5,354,759.68	\$0
WW-000001	Pumping Stations	19,129,495	1,006,106.34	11,208,211.48	4,582,789
WW-000002	Dogue Creek Rehabilitation/Replacement	23,378,000	9,463,375.01	1,764,017.23	0
WW-000003	Little Rocky Run Upgrades	475,865	101,276.93	0.00	0
WW-000004	Robert P. Mcmath Facility Improvements	2,070,000	55,520.76	1,517,216.43	0
WW-000005	Integrated Sewer Metering	1,132,906	0.00	400,019.40	0
WW-000006	Extension & Improvement Projects	14,538,114	4,502,145.63	3,492,475.84	3,000,000
WW-000007	Collection System Replacement and Rehab.	62,876,957	11,785,279.83	17,241,865.27	12,428,135
WW-000008	Force Main Rehabilitation	3,600,000	0.00	0.00	3,600,000
WW-000009	Noman Cole Treatment Plant Renewal	22,137,554	1,780,469.19	10,079,445.53	5,121,554
WW-000020	Arlington WWTP Rehab.	5,893,000	3,107,056.00	2,344,525.00	307,000
WW-000021	ASA WWTP Upgrades and Rehab.	68,423,399	0.00	25,433,601.17	37,198,399
WW-000022	Blue Plains WWTP Upgrades and Rehab.	53,065,299	7,923,298.86	27,686,701.14	17,455,299
<b>Total</b>		<b>\$276,720,589</b>	<b>\$39,724,528.55</b>	<b>\$106,522,838.17</b>	<b>\$83,693,176</b>