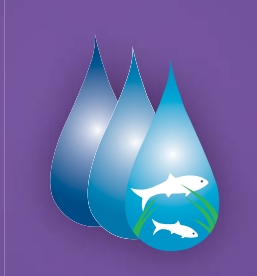


FAIRFAX COUNTY  
WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

COMPREHENSIVE  
ANNUAL FINANCIAL  
REPORT

FOR THE FISCAL YEAR ENDED  
JUNE 30, 2015



INTEGRATED SEWER SYSTEM  
An Enterprise Fund of the County of Fairfax, Virginia

Published December, 2015

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# INTEGRATED SEWER SYSTEM

AN ENTERPRISE FUND OF THE

# COUNTY OF FAIRFAX, VIRGINIA

**FAIRFAX COUNTY  
WASTEWATER MANAGEMENT**



*Quality of Water = Quality of Life*

## COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended June 30, 2015

**DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES**

12000 Government Center Parkway, Suite 358

Fairfax, Virginia 22035

(703) 324-5030, TTY 711

[www.fairfaxcounty.gov](http://www.fairfaxcounty.gov)

---

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## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*



**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**COMPREHENSIVE ANNUAL FINANCIAL REPORT**  
For the Fiscal Year Ended June 30, 2015

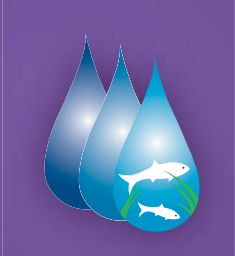
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FAIRFAX COUNTY  
WASTEWATER MANAGEMENT



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INTRODUCTORY SECTION





Government Finance Officers Association

Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting

Presented to

**Integrated Sewer System**  
**An Enterprise Fund of the County**  
**of Fairfax, Virginia**

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended

**June 30, 2014**

Executive Director/CEO





# County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

November 04, 2015

The Board of Supervisors  
County of Fairfax  
Commonwealth of Virginia

Honorable Chairman and Members of the Board:

We are pleased to submit the Comprehensive Annual Financial Report (CAFR) for the County of Fairfax, Virginia (the County) Integrated Sewer System (the System) for the year ended June 30, 2015. The financial statements included in this report conform to U.S. generally accepted accounting principles (GAAP) as promulgated by the Governmental Accounting Standards Board (GASB). Responsibility for both the accuracy of the presented data and completeness and fairness of the presentation, including all disclosures, rests with management. To the best of our knowledge and belief, the enclosed data are accurate in all material respects and are reported in a manner that presents fairly the financial position and results of operations of the System. All necessary disclosures have been included to enable the reader to gain the maximum understanding of the System's financial affairs.

The General Bond Resolution dated July 29, 1985, governing the issuance of sewer revenue bonds, as modified through July 2009, requires an annual audit of the financial records and transactions of the System by independent certified public accountants, as selected by the Board of Supervisors. The System's financial statements for the year ended June 30, 2015, were audited by KPMG LLP, a firm of licensed certified public accountants. The independent auditors concluded, based upon the audit, that there was a reasonable basis for rendering their opinion that the financial statements are fairly presented in conformity with GAAP. The independent auditors' report is presented in the financial section of this CAFR.

This CAFR consists of management's representations concerning the finances of the System. To provide a reasonable basis for making these representations, the System's accounting system is dependent upon a strong foundation of internal accounting controls to ensure that financial information generated is both accurate and reliable; however, because the cost of a control should not exceed the benefits to be derived, the objective is to provide reasonable, rather than absolute assurance that the financial statements are free of any material misstatements. GAAP requires that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of the Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement the MD&A and should be read in conjunction with it. The System's MD&A can be found immediately following the independent auditors' report.

## PROFILE OF THE SYSTEM

The Fairfax County, Virginia Integrated Sewer System is operated as the Wastewater Management Program (WWM), one of five major activities of the Department of Public Works and Environmental Services, and governed by the County of Fairfax, Board of Supervisors. The System handles approximately 98 million gallons

Department of Public Works and Environmental Services  
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of wastewater per day (MGD) generated from approximately 933,000 County residents and approximately 70,000 residents from nearby counties, cities, and towns. More than 85% of the 410,000 County housing units and virtually all businesses in the County are connected to the public sewer system.

The System consists of over 3,400 miles of sewer lines and force mains ranging in size from 8 inches to 72 inches, 59 pump stations ranging in capacity from 0.1 to 37 MGD, and 54 metering stations. The total System workforce is 315 employees. The sewer service area covers approximately 234 square miles in the Potomac River Watershed, a tributary shed of the Chesapeake Bay Basin.

Nearby counties, cities, and towns served by the System receive service through sales of service agreements. The System currently has agreements with the Counties of Loudoun and Arlington, Fort Belvoir, the Cities of Fairfax and Falls Church, and the Towns of Herndon and Vienna. As prescribed by each service agreement, each entity shares in the cost of operating the System. Each entity's share is determined on the basis of actual wastewater flows or reserved treatment capacity.

To treat the wastewater flows generated, the System operates and maintains one advanced wastewater treatment plant, the 67 MGD Noman M. Cole, Jr. Pollution Control Plant, and has 90 MGD of purchased capacity entitlement at five non-County facilities, all of which are advanced wastewater treatment facilities. Purchased capacity entitlements are managed through treatment by contract agreements with the District of Columbia Water and Sewer Authority (the Blue Plains Advanced Water Treatment Facility), Loudoun County and Alexandria Renew Enterprises (ARE), Upper Occoquan Sewage Authority (UOSA), and Arlington County. In addition, the System has purchased 0.1 MGD of capacity from the Prince William County Service Authority. As prescribed by each agreement, the System pays its share of the operating, capital, and/or debt costs of each entity's system based on actual wastewater flows and allocated capacity.

## **FACTORS AFFECTING FINANCIAL CONDITION**

### **Local Economy**

In FY 2015 Sales Tax receipts grew 6.6 percent after falling 0.9 percent in FY 2014. Transient Occupancy Tax increased a healthy 9.3 percent after falling in the previous two fiscal years. However, the County's economy is still very much impacted by constrained federal spending. FY 2014 marked the first increase in total federal procurement spending in the County in three years, increasing a modest 2.5 percent. Actual FY 2015 Business, Professional, and Occupational License (BPOL) tax receipts increased only a slight 0.4 percent over the FY 2014 level which had fallen 2.7 percent primarily due to federal sequestration cuts. The unemployment rate in the County as of August 2015 was 3.4 percent, down from 4.4 percent last August. Residential sewer connections in the system, which are a measure of system growth, grew 0.1% in fiscal year 2015.

### **Debt Management**

To finance major capital projects, the System borrows money by issuing sewer revenue bonds, obtaining financing from the Virginia Water Facilities Revolving Fund, acting by and through the Virginia Resources Authority (VRA), or sharing in debt issued by other service authorities. Authorization to issue any debt or share in any debt service rests with the County's Board of Supervisors. On April 16, 2014, the System issued \$61.8 million of Series 2014 Sewer Revenue Refunding Bonds with an average interest rate of 4.1% to refund \$69.7 million of the outstanding Series 2004 Bonds with an average interest rate of 4.6%. On August 8, 2012 and June 17, 2009, the System issued \$90.7 and \$152.3 million in Series 2012 and 2009 Sewer Revenue Bonds with average interest rates of 4.5% and 4.7%, respectively, to pay for the upgrade of its wastewater treatment facilities. As of June 30, 2015, the System had \$289.0 million in Sewer revenue bonds, \$37.4 million in VRA financing, and \$265.7 million in UOSA debt outstanding. The System continues to maintain its status as a top rated bond issuer:



AAA from Fitch Investor Service (Fitch) and Standard and Poor's Corporation (S&P) and Aa1 from Moody's Investors Service, Inc (Moody's).

Note (8) to the Financial Statements provides information pertaining to future debt service payments. Table 3 in the Statistical Section provides historical information regarding debt coverage and debt service requirements of the System.

## RELEVANT FINANCIAL POLICIES

Sewer rates are reviewed and revised annually as part of the County's annual strategic planning and budgeting process in order to minimize the annual cost impact on customers due to increases in funding needs for Wastewater Program funding. The System's volumetric sewer service charges and service base charge increased a combined 4.1% in fiscal year 2015.

## MAJOR INITIATIVES AND ACCOMPLISHMENTS

**Nutrient Removal at Area Treatment Plants** – Upgraded biological nitrogen removal facilities were initiated in fiscal years 2003 and 2004 and became fully operational in fiscal year 2005. All System treatment plants met or exceeded water quality permit requirements for ammonia nitrogen discharges and began voluntarily discharging treated wastewater with total nitrogen levels near or below 8.0 milligrams per liter (mg/l).

In August 2004, the Virginia Department of Environmental Quality proposed reduced nutrient waste load allocations for Virginia wastewater treatment facilities as amendments to the Water Quality Management Regulation (9VAC25-720). These load allocations were then incorporated into the Virginia's Phase I Watershed Implementation Plan for meeting the EPA Chesapeake Bay Total Maximum Daily Loads (TMDL). To meet the load allocations, enhanced nutrient removal was required of all wastewater treatment plants serving Fairfax County to meet more stringent Chesapeake Bay water quality standards by January 1, 2011. Significant capital funding has been needed to bring treatment facilities into compliance. At the Noman M Cole, Jr. Pollution Control Plant, a new Moving Bed Bioreactor was constructed and brought on line in 2012 to comply with the new waste load allocation. As a result of the new facility, the Noman M Cole, Jr. pollution Control Plant was under its new waste load allocation by 40 percent. In fiscal year 2015, total nitrogen discharges from the County's Noman M. Cole, Jr. Pollution Control Plant averaged less than 2.7 mg/l.

In addition to investing in new facilities to meet the new nutrient requirements, the System is also reinvesting in existing infrastructure to ensure continued operation, safety and compliance of existing facilities and processes. A sustained reinvestment in the existing System is necessary for continued long term service and compliance.

## AWARDS

**GFOA Certificate of Achievement for Excellence in Financial Reporting** – For the twelfth consecutive year, the Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the System for its Comprehensive Annual Financial Report for the fiscal year ended June 30, 2014. In order to be awarded a Certificate of Achievement, a government entity must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable financial reporting requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current CAFR continues to meet Certificate of Achievement Program's requirements, and we are submitting it to the GFOA to determine its eligibility for another certificate. The Certificate of Achievement is a prestigious national award recognizing conformance with the highest standards of state and local government financial reports.

**NACWA Platinum Peak Performance Award** - The System's Noman M. Cole Jr. Pollution Control Plant received the Platinum Peak Performance Award from National Association of Clean Water Agencies (NACWA), recognizing the facility's accomplishments in protecting water quality in the County. The award recognizes plants that meet 100% of federal standards for preventing pollution for more than five consecutive years. The System's Noman M. Cole Jr. Pollution Control Plant has been in compliance for 17 consecutive years. The plant has protected the water quality of the County's streams and watersheds, as well as the Chesapeake Bay.

**NACWA Excellence in Management Award** - The System received the NACWA Excellence in Management Award in recognition of their commitment to excellence in utility management through the implementation of sustainable, successful programs that exemplify the attributes of an effectively managed utility.

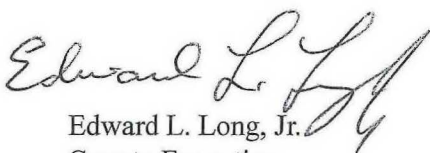
**Extraordinary Environmental Enterprise** - The Wastewater Management program has received the designation of Extraordinary Environment Enterprise (E4) from the Virginia Department of Environmental Quality (DEQ) Virginia Environmental Excellence Program (VEEP) for its Environmental Management System (EMS). Currently approximately 440 public and private organizations participate in the VEEP EMS certification program at the E2, E3, and E4 levels. Of these 440 organizations, approximately 26 facilities within the State have reached the E4 level of certification. This designation recognizes facilities that have fully implemented an EMS emphasizing pollution prevention, environmental outreach, and sustainability. This program encourages facilities to exceed compliance with federal and local regulations and engage in environmental stewardship and sustainability practices.

## ACKNOWLEDGMENTS

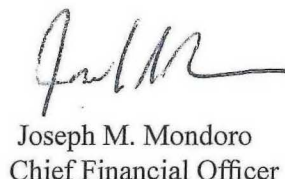
We express our sincere appreciation to all staff who contributed to this CAFR, especially the members of the System's Wastewater Planning and Monitoring Division of the Department of Public Works and Environmental Services and the Financial Reporting Division of the Department of Finance, who prepared and compiled this report. We commend them for their professionalism, hard work, and continued efforts to improve this report.

This CAFR reflects our continued commitment to the citizens of Fairfax County, the Board of Supervisors, and all interested readers of this report to provide information in conformance with the highest standards of financial reporting.

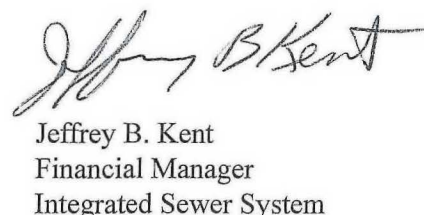
Respectfully,



Edward L. Long, Jr.  
County Executive



Joseph M. Mondoro  
Chief Financial Officer



Jeffrey B. Kent  
Financial Manager  
Integrated Sewer System



**INTEGRATED SEWER SYSTEM**  
**COUNTY OF FAIRFAX, VIRGINIA**  
Urban County Executive Form of Government  
As of June 30, 2015

**BOARD OF SUPERVISORS**

Sharon S. Bulova, Chairman	At-large
Penelope A. Gross, Vice Chairman	Mason District
John C. Cook	Braddock District
Gerald W. Hyland	Mount Vernon District
John W. Foust	Dranesville District
Linda Q. Smyth	Providence District
Catherine M. Hudgins	Hunter Mill District
Patrick S. Herrity	Springfield District
Jeffrey C. McKay	Lee District
Michael R. Frey	Sully District

**COUNTY EXECUTIVE**  
Edward L. Long, Jr.

---

**DEPUTY COUNTY EXECUTIVE**  
Robert A. Stalzer

**DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES**  
James W. Patteson, Director

**WASTEWATER COLLECTION DIVISION**  
Thomas Russell, Director

**WASTEWATER TREATMENT DIVISION**  
Michael McGrath, Director

**WASTEWATER PLANNING AND MONITORING DIVISION**  
Shahram Mohsenin, Director

---

**DEPARTMENT OF MANAGEMENT AND BUDGET**  
Joseph M. Mondoro, Chief Financial Officer

**DEPARTMENT OF FINANCE**  
Christopher J. Pietsch, Director

**OFFICE OF THE COUNTY ATTORNEY**  
David P. Bobzien, County Attorney

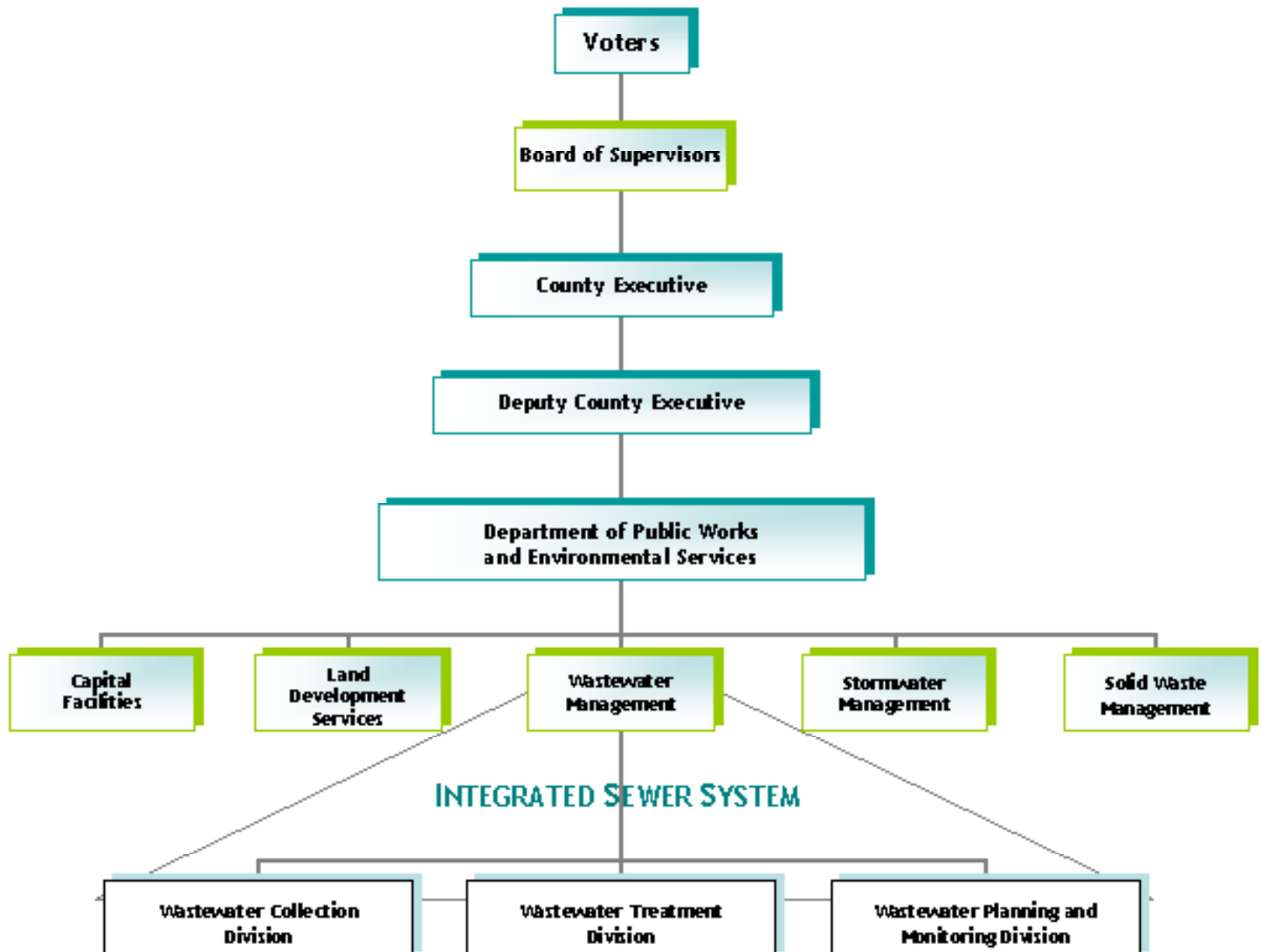
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## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

## ORGANIZATION OF THE INTEGRATED SEWER SYSTEM COUNTY OF FAIRFAX, VIRGINIA



This report was prepared by:

**COUNTY OF FAIRFAX, VIRGINIA**  
**WASTEWATER MANAGEMENT PROGRAM AND DEPARTMENT OF FINANCE**

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**WASTEWATER MANAGEMENT PROGRAM**

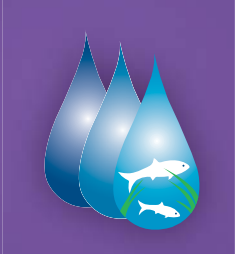
Jeffrey B. Kent, Financial Manager  
Robin Henderson, Fiscal Administrator  
Anand Goutam, CPA  
Dianne L. Love  
Yvonne T. Sullivan  
Charese Willis

**DEPARTMENT OF FINANCE**

Christopher J. Pietsch, Director  
Richard Modie Jr., Chief, Financial Reporting Division  
Betty A. Barnuevo, CPA, Financial Reporting Manager  
Michael Sandler  
Rochanie Perera  
Xuan Wang



FAIRFAX COUNTY  
WASTEWATER MANAGEMENT



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FINANCIAL SECTION

**FAIRFAX COUNTY  
WASTEWATER MANAGEMENT**



*Quality of Water = Quality of Life*



KPMG LLP  
Suite 12000  
1801 K Street, NW  
Washington, DC 20006

## **Independent Auditors' Report**

The Board of Supervisors  
County of Fairfax, Virginia:

We have audited the accompanying financial statements of the Integrated Sewer System (the System), an Enterprise Fund of the County of Fairfax, Virginia, which comprise the Statement of Net Position as of June 30, 2015, and the related statement of revenue, expenses, and changes in net position, and cash flows for the year then ended, and the related notes to the financial statements.

### ***Management's Responsibility for the Financial Statements***

Management is responsible for the preparation and fair presentation of these financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### ***Auditors' Responsibility***

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### ***Opinion***

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the Integrated Sewer System, an enterprise fund of the County of Fairfax, Virginia, as of June 30, 2015, and the respective changes in financial position, and cash flows thereof for the year then ended in accordance with U.S. generally accepted accounting principles.





### ***Emphasis of Matter***

As discussed in Note 6 to the financial statements, in fiscal year 2015, the System implemented the Governmental Accounting Standards Board Statement No. 68 *Accounting and Financial Reporting for Pensions –an amendment of GASB Statement No.27*, and GASB Statement No. 71 *Pension Transition for Contributions Made Subsequent to the Measurement Date*. Our opinion is not modified with respect to this matter.

### ***Other Matters***

#### ***Required Supplementary Information***

U.S. generally accepted accounting principles require that the management's discussion and analysis on pages 3-9 and the supplemental pension information on page 38 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

#### ***Supplementary and Other Information***

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements. The introductory section on pages V-XII and the statistical section on pages 40-65 are presented for purposes of additional analysis and are not a required part of the basic financial statements. The introductory and statistical section has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

**KPMG LLP**

Washington, DC  
November 4, 2015

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS (*unaudited*)**  
**June 30, 2015**

This section of the County of Fairfax, Virginia Integrated Sewer System's (System) Comprehensive Annual Financial Report presents a discussion and analysis of the System's financial performance for the fiscal year that ended on June 30, 2015.

The System is a County of Fairfax, Virginia (County) business-type activity that is funded separately from other County activities. The System is accounted for separately in an enterprise fund, and it is included in the County's Comprehensive Annual Financial Report.

We encourage readers to consider the information presented here in conjunction with the System's financial statements and notes to the financial statements to enhance their understanding of the System's financial performance.

### **FINANCIAL HIGHLIGHTS**

The System's total net position (assets less liabilities) were \$1,025.0 million at June 30, 2015, compared to \$986.8 million at June 30, 2014.

Operating revenues of \$187.5 million exceeded operating expenses of \$150.3 million, which include depreciation and amortization of \$58.0 million, by \$37.2 million. After factoring in non-operating revenues and expenses – availability fees, investment revenue, interest expense, and capital contributions, the result was a \$38.2 million increase in net position for fiscal year 2015, which compares to a \$16.7 million increase in net position for fiscal year 2014. The 2014 fiscal year increase in net position was formerly \$41.9 million but restated due to the GASB 68 adjustment.

The System's cash and cash equivalents decreased by \$29.3 million during fiscal year 2015. This decrease compares to a \$49.3 million decrease in the prior fiscal year and is primarily due to a reduction in cash outflow from the purchase of capital assets and purchase capacity in the amount of \$27.8 million in fiscal year 2015. Capital asset acquisitions made during both fiscal years 2015 and 2014 were funded with available resources.

### **OVERVIEW OF THE FINANCIAL STATEMENTS**

The financial section of this annual report consists of (1) the independent auditors' report, (2) this management's discussion and analysis, and (3) the financial statements of the System. The financial statements, which include notes to explain information in the financial statements and to provide more detailed data, report information about the System using the economic resources measurement focus and the accrual basis of accounting, which are similar to those used by private sector companies. The following required financial statements provide both short-term and long-term information about the System's overall financial status.

#### **Statement of Net Position**

The Statement of Net Position presents information on all of the System's assets and liabilities, with the difference between the two reported as net position. This statement provides information about the nature and the amounts of investments in resources (assets) and the obligations to the System's creditors (liabilities). It provides a basis for evaluating the capital structure of the System and assessing the liquidity and financial flexibility of the System.

## Statement of Revenues, Expenses, and Changes in Net Position

All of the revenues and expenses for the fiscal year are accounted for in the Statement of Revenues, Expenses, and Changes in Net Position. This statement measures the results of the System's operations for the fiscal year and can be used to determine whether the System has successfully recovered all of its expenses through its user fees and charges and its other revenues.

## Statement of Cash Flows

The Statement of Cash Flows reports all cash receipts, cash payments, and changes in cash from operating, investing, and capital and related financing activities. This statement provides information about all the sources and uses of cash and the net change in the balance of cash and cash equivalents for the fiscal year.

## FINANCIAL ANALYSIS OF THE SYSTEM

### Net Position

Net position may serve as a useful indicator of an entity's financial position. The following table presents a summary of the Statements of Net Position for the System as of June 30, 2015 and 2014:

Summary of Net Position As of June 30 (\$ in millions)				
	2015	\$ Change	% Change	* Restated 2014
<b>Assets:</b>				
Current assets:				
Unrestricted	\$ 113.6	(37.0)	(24.6)	\$ 150.6
Restricted	101.4	5.4	5.6	96.0
Noncurrent assets:				
Capital assets (net) and other non-current assets	1,459.6	39.9	2.8	1,419.7
<b>Total assets</b>	<b>1,674.6</b>	<b>8.3</b>	<b>0.5</b>	<b>1,666.3</b>
Deferred Outflows of Resources	18.8	(1.3)	(6.5)	20.1
<b>Liabilities:</b>				
Current liabilities	42.1	(5.9)	(12.3)	48.0
Noncurrent liabilities	617.6	(32.3)	(5.0)	649.9
<b>Total liabilities</b>	<b>659.7</b>	<b>(38.2)</b>	<b>(5.5)</b>	<b>697.9</b>
Deferred Inflows of Resources	8.5	6.8	400.0	1.7
<b>Net position:</b>				
Net investment in capital assets	892.4	49.1	5.8	843.3
Restricted	66.0	22.9	53.1	43.1
Unrestricted	66.6	(33.8)	(33.7)	100.4
<b>Total net position</b>	<b>\$ 1,025.0</b>	<b>38.2</b>	<b>3.9</b>	<b>\$ 986.8</b>

\* Fiscal Year 2014 restated due to implementation of GASB 68. See Note 11 for more information.

Nearly 87.1% and 85.5% of the System's total net position for the fiscal years 2015 and 2014, respectively, are represented by its investment in capital assets (e.g. treatment plants, sewer lines and equipment) net of depreciation and amortization, less the outstanding debt that was issued to acquire these assets. The \$6.8 million increase in Deferred Inflows of Resources in fiscal year 2015 is attributable to the implementation of GASB 68, which addresses the financial reporting treatment of pensions. See Note 6 for more information relating to the retirement plan. Although the System's investment in its capital assets is reported net of related debt, it should be noted that the resources to pay this debt must be provided from other resources, since the assets themselves are not intended to be used to liquidate these liabilities. The \$38.2 million increase in net position in fiscal year 2015 was primarily the result of operating revenue exceeding total operating expenses due to increased revenue from Sales of Service.



The restricted portion of net position represents resources that are subject to external restrictions on how they may be used. Certain assets are restricted for sewer extensions and improvements and for debt service. The \$22.9 million increase during fiscal year 2015 was primarily due to spending less than anticipated on projects within that year. See Note (4) to the Financial Statements for detailed information pertaining to restricted net position.

The unrestricted component of net position represents resources that are not subject to any external restrictions as to use, hence, they are available for future operations.

### Changes in Net Position

The following table summarizes the Statements of Revenues, Expenses, and Changes in Net Position for the System for the fiscal years ended June 30, 2015 and 2014:

Summary of Revenues, Expenses, and Changes in Net Position For the Fiscal Years Ended June 30 (\$ in millions)				
	2015	\$ Change	% Change	* Restated 2014
Operating revenues - Sales of service	\$ 187.5	(0.7)	(0.4)	\$ 188.2
Less operating expenses:				
Personnel services	26.4	(1.2)	(4.3)	27.6
Materials and supplies	14.1	(1.5)	(9.6)	15.6
Contractual services and other	51.8	3.9	8.1	47.9
Depreciation and amortization	58.0	2.4	4.3	55.6
Total operating expenses	150.3	3.6	2.5	146.7
Operating Income	37.2	(4.3)	(10.4)	41.5
Nonoperating revenues (expenses):				
Availability fees	21.7	(2.3)	(9.6)	24.0
Investment and other revenues	0.8	0.2	33.3	0.6
Interest and other expenses	(24.6)	3.7	(13.1)	(28.3)
Total nonoperating revenues (expenses)	(2.1)	1.6	(43.2)	(3.7)
Income/(Loss) before contributions	35.1	(2.7)	(7.1)	37.8
Capital contributions	3.1	(1.0)	(24.4)	4.1
Special item - gain on sale of purchase capacity	-	-	-	-
Change in net position	38.2	(3.7)	(8.8)	41.9
Total net position at beginning of year	986.8	16.7	1.7	970.1
GASB 68 Adjustment for FY14 restatement	-	-	-	(25.2)
Total net position at end of year	\$ 1,025.0	38.2	3.9	\$ 986.8

\* Fiscal Year 2014 restated due to implementation of GASB 68. See Note 11 for more information.

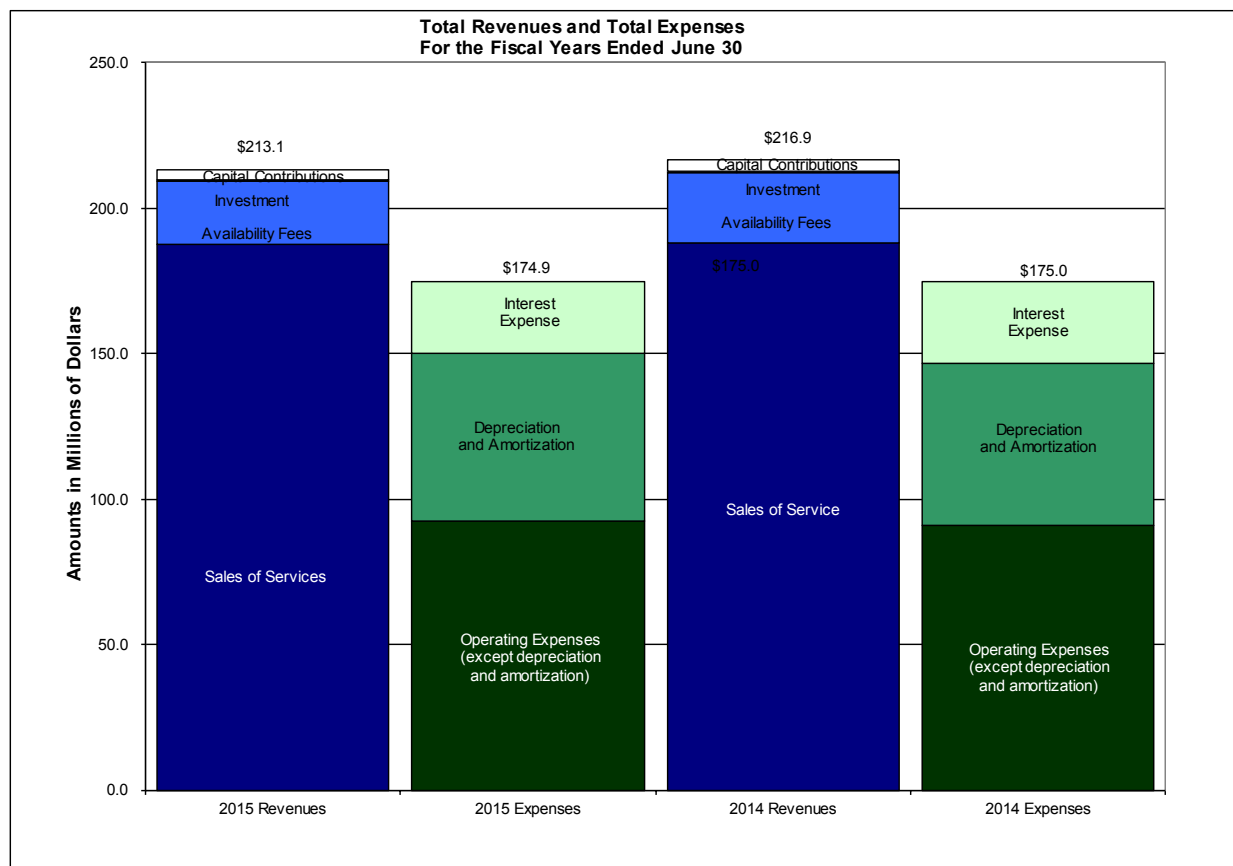
The System's operating revenues consist of volumetric service charges and a service base charge to County users and to neighboring jurisdictions, which reflect a 4.1% rate increase implemented during fiscal year 2015. There was a \$4.3 million decrease in Operating income in fiscal year 2015. This was primarily a result of an increase in contractual services. Operating expenses increased \$3.6 million in fiscal year 2015 due to the increase in contractual services.

Sewer rates are established by the Board of Supervisors pursuant to Chapter 67.1 of the County Code. Rates and code language are reviewed annually as part of the County's annual strategic planning and budgeting processes and are revised as necessary to ensure that rates generate revenues equitably from new and existing customers, based on the allocation of capital and operating costs, so that growth pays for growth.

System operations and upgrades are funded primarily through sewer service charges to existing customers based on water consumption, in 1,000 gallons, as measured by a water service meter. System expansion and increased treatment capacity is funded primarily through availability fees, one-time charges collected from new sewer customers prior to connection to the System.

The System owns and operates one treatment facility rated at 67.0 MGD, has a 22.6 MGD capacity entitlement in a joint venture facility, and has acquired capacity entitlements totaling 67.5 MGD at five facilities owned by neighboring jurisdictions. The System's share of renovation, upgrade, and expansion costs at non-System-owned facilities is reported as purchased capacity and amortized over thirty years.

A graphic comparison of total revenues, including capital contributions, to total expenses for fiscal years 2015 and 2014 is shown below:



## CAPITAL ASSETS AND LONG-TERM DEBT

### Capital Assets

The System's gross investment in capital assets as of June 30, 2015, amounted to \$2,367.4 million, or \$1,456.9 million after deducting accumulated depreciation and amortization, as summarized in the table below:

Capital Assets As of June 30 (\$ in millions)				
	2015	\$ Change	% Change	2014
Land	\$ 17.4	-	-	\$ 17.4
Easement	0.5	0.1	25.0	0.4
Construction in progress	103.0	(13.9)	(11.9)	116.9
Buildings and improvements	1,248.3	57.1	4.8	1,191.2
Equipment	14.1	1.8	14.6	12.3
Purchased capacity	984.1	49.7	5.3	934.4
Gross capital assets	2,367.4	94.8	4.2	2,272.6
Accumulated depreciation and amortization	(910.5)	(57.6)	6.8	(852.9)
Total capital assets, net	\$1,456.9	37.2	2.6	\$1,419.7

The \$94.8 million increase in gross capital assets during fiscal year 2015 reflects the following major capital asset additions, which were funded with available resources:

The ongoing improvement costs of the System's wastewater treatment facilities at its Noman M. Cole Pollution Control Plant amounted to \$21.7 million.

The System's share of the ongoing upgrade costs of the Alexandria Sanitation Authority, and the District of Columbia's wastewater treatment facilities, which provide service to certain County residents, was \$23.5 million and \$26.2 million, respectively.

Improvements to sewer lines and pumping stations in the System, other than donations from developers, totaled \$19.4 million.

Developers contributed sewer lines and manholes valued at \$2.4 million.

Additional information relative to the System's capital assets is contained in Note (5) to the Financial Statements.

### Long-term Debt

The following is a summary of the System's gross outstanding long-term debt as of June 30, 2015 and 2014:

Gross Outstanding Debt As of June 30 (\$ in millions)				
	2015	\$ Change	% Change	2014
Sewer revenue bonds	\$ 289.0	(7.6)	(2.6)	\$ 296.6
Subordinated bonds:				
Sewer Revenue bonds	37.4	(5.3)	(12.4)	42.7
System's share of UOSA's debt	265.7	(11.6)	(4.2)	277.3
Total outstanding debt	\$ 592.1	(24.5)	(4.0)	\$ 616.6

The \$289.0 million of outstanding sewer revenue refunding bonds and sewer revenue bonds issued in 2014, 2012, and 2009 by the System are currently rated AAA by Fitch and S&P and Aa1 by Moody's. These high credit ratings have enabled the County to sell bonds on behalf of the System at interest rates lower than those obtained by most sewer authorities, thereby achieving savings throughout the life of the bonds.

In April 2014, the System took advantage of lower market interest rates and issued \$61.8 million of Series 2014 Sewer Revenue Refunding Bonds with an average interest rate of 4.1% to advance refund \$69.7 million of the outstanding Series 2004 Sewer Revenue Refunding Bonds with an average interest rate of 4.6%.

In August 2012 and June 2009, the System issued Sewer Revenue Bonds in the amounts of \$90.7 million and \$152.3 million with average interest rates of 4.5% and 4.7%, respectively, to provide funds for upgrade costs allocable to the County at certain wastewater treatment facilities that are owned by, or that provide service to, the County, the purchase of additional capacity at certain wastewater treatment facilities, and the cost of certain additions, extensions, and improvements to the County's sewage collection, treatment, and disposal systems.

In June 2002 and June 2001, the System issued twenty-year subordinated sewer revenue bonds in the amounts of \$50 million and \$40 million at interest rates of 3.7% and 4.1%, respectively, to the Virginia Water Facilities Revolving Fund, acting by and through the Virginia Resources Authority, to fund its share of the ongoing expansion costs of the Alexandria Renew Enterprises' (ARE) wastewater treatment facilities, which provide service to some of the System's customers. In September 2012, the System executed a rate reduction agreement with VRA reducing the interest rates on these bonds to 2.3%. As of June 30, 2015, the outstanding balance of the subordinated Sewer Revenue Bonds is \$37.4 million.

The Upper Occoquan Sewage Authority (UOSA), a joint venture which operates a regional sewage facility, issued regional sewer system revenue refunding bonds in November 2013, May 2013, February 2007, and November 2004 to refund certain of its outstanding bonds. In December 2010 and 2007, UOSA issued \$85.2 million and \$119.7 million of Regional Sewer System Revenue Bonds, of which the System's share is \$34.1 million and \$53.9 million, respectively, to finance the cost of certain capital improvements. In fiscal year 2012, UOSA entered into VRA loans 2011A and 2011B to fund costs related to the Energy Service project and phase 1 of the Nutrient Compliance Improvement project (P1NR), respectively. In fiscal year 2015, UOSA refinanced a portion of Bond Series 2007. \$93,175,291 was refunded into Series 2014. As of June 30, 2015, the System's share of UOSA's outstanding debt is \$265.7 million.

The System is required by the covenants of the 2009 General Bond Resolution to generate net revenues (defined as all revenues except grants and contributed assets, less operating expenses, except depreciation and amortization) at least equal to the debt service on its sewer revenue bonds each year. The ratios of net revenues to debt service for the senior sewer revenue bonds are 5.74 and 5.56 for fiscal years 2015 and 2014, respectively. The fiscal year 2015 ratio is more favorable than fiscal year 2014 ratio. Taking all long-term debt into account, the ratios are 2.52 and 2.53 for fiscal years 2015 and 2014, respectively. The fiscal year 2015 ratio is less favorable than fiscal year 2014 ratio due to a 3.6% increase in operating expenses contributing to the reduction in net revenue. Increased material and pension related expenses, due to new pension requirements in GASB 68, were attributable to the increased operating expenses. Additional information related to the debt coverage ratios is contained in Table 3 of the Statistical Section.

Additional information relative to the System's long-term debt can be found in Note (8) to the Financial Statements.

## **ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES**

The following factors, decisions and conditions are expected to have a significant effect on the financial position and the results of operations for fiscal year 2016 and beyond:

The sewer service charge rate to System users will increase from \$6.62 to \$6.65 per 1,000 gallons of water consumption and the sewer service base charge will increase from \$15.86 to \$20.15 for residential customers for fiscal year 2016. Subsequent rate increases for the sewer service charge to \$6.68, \$6.75, and \$6.82 along with increases to the sewer service base charge to \$24.68, \$27.62, and \$29.83 for fiscal years 2017, 2018, and 2019, respectively, have also been approved. The base charge for commercial customers is based on the meter size.

Sewer availability fees have not been increased for fiscal year 2016. Also, no fee increases for fiscal years 2017, 2018, and 2019 have been approved. Unit sales of sewer availability taps averaged 165.6 per month during the first quarter of fiscal year 2016, compared to 174.0 per month during the comparable period of fiscal year 2015.

Interest rates on short-term investments through the first quarter of fiscal year 2016 have been approximately 0.54%, an increase from fiscal year 2015 rates.

The System's adopted budget for operating expenses, excluding depreciation and amortization, for fiscal year 2016 is \$97.6 million.

The System's adopted budget for capital asset acquisitions for fiscal year 2016 is \$86.4 million, to be funded with available resources and bond proceeds. This budget includes \$34.6 million for the rehabilitation and renovation of the System's sewer lines, \$13.1 million for upgrades to the county-owned treatment plant, and the System's share of the upgrade costs of the Alexandria Renew Enterprises', Arlington's, and the District of Columbia's wastewater treatment facilities in the amounts of \$21.2 million, \$0.6 million, and \$16.9 million, respectively.

## **CONTACTING THE SYSTEM'S FINANCIAL MANAGEMENT**

This financial report is designed to provide the System's customers and investors and creditors with a general overview of the System's finances and to demonstrate the System's accountability for the money it receives. If you have questions about this report or need additional financial information, please contact the County of Fairfax, Virginia, Department of Finance, 12000 Government Center Parkway, Fairfax, Virginia, 22035.

## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*



## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**STATEMENT OF NET POSITION**  
**For Fiscal Year Ended June 30, 2015**

	<b>2015</b>
<b>Assets</b>	
Current assets:	
Cash and investments on deposit with the County of Fairfax, Virginia	\$ 63,888,106
Due from intergovernmental units (note 2):	
Service charges	23,591,475
Unbilled service charges	25,228,544
Accounts Receivable	538,038
Inventories	377,130
Total unrestricted	<u>113,623,293</u>
Restricted assets (note 4):	
Cash and investments on deposit with the County of Fairfax, Virginia	65,682,156
Cash with fiscal agent (note 3)	14,580,855
Investments (note 3)	21,097,057
Total restricted	<u>101,360,068</u>
Total current assets	<u>214,983,361</u>
Long-term assets:	
Capital assets (note 5):	
Non-depreciable:	
Land	17,407,323
Easement	455,229
Construction in progress	102,977,703
Depreciable/amortizable:	
Buildings, improvements, and sewer lines	1,248,338,134
Equipment	14,114,685
Purchased capacity	984,100,135
Gross capital assets	2,367,393,209
Accumulated depreciation and amortization	(910,473,633)
Total capital assets, net	<u>1,456,919,576</u>
Other Non-current assets:	
Accounts Receivable	2,671,143
Total assets	<u>1,674,574,080</u>
<b>Deferred Outflows of Resources</b>	
Deferred outflow related to pensions (note 6)	2,869,250
Deferred loss on refunding of debt	15,883,879
Total Deferred Outflows of Resources	<u>18,753,129</u>
Total assets and deferred outflows of resources	<u>\$ 1,693,327,209</u>

continued

	<b>2015</b>
<b>Liabilities</b>	
Current liabilities:	
Accrued salaries and wages	\$ 1,173,853
Accounts payable and accrued liabilities	1,841,469
Contracts payable	6,869,634
Accrued interest payable	6,496,562
Compensated absences (note 8)	1,409,569
Bonds payable (note 8 and 9)	<u>24,349,678</u>
Total current liabilities	<u>42,140,765</u>
Long-term liabilities:	
Net pension liability (note 6)	21,919,467
Compensated absences (note 8)	852,460
Bonds payable (note 8 and 9)	<u>594,800,368</u>
Total long-term liabilities	<u>617,572,295</u>
<b>Total liabilities</b>	<u>659,713,060</u>
<b>Deferred Inflows of Resources</b>	
Deferred inflow related to pensions (note 6)	5,070,115
Deferred gain on refunding of debt	<u>3,439,513</u>
	8,509,628
<b>Total liabilities and deferred outflows of resources</b>	<u>668,222,688</u>
<b>Net position</b>	
Net investment in capital assets	892,414,328
Restricted for (note 4):	
Sewer extensions and improvements	51,457,807
Debt service	14,580,855
Unrestricted	<u>66,651,531</u>
<b>Total Net position</b>	<u>\$ 1,025,104,521</u>

See accompanying notes to the financial statements.

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION**  
**For the Fiscal Year Ended June 30, 2015**

	<u><b>2015</b></u>
<b>Operating revenues:</b>	
Sales of service	\$ 187,538,854
<b>Operating expenses:</b>	
Personnel services	26,416,320
Materials and supplies	14,063,157
Contractual services	51,342,024
Depreciation and amortization	58,046,612
Professional fees and other	<u>490,055</u>
Total operating expenses	150,358,168
Operating income	37,180,686
<b>Nonoperating revenues (expenses):</b>	
Availability charges	21,689,013
Investment earnings	780,354
Interest expense	(23,677,340)
Amortization of deferred gains/(losses) on UOSA bond refinancing	(945,079)
Gain on disposal of capital assets	<u>48,459</u>
Total nonoperating revenues (expenses)	(2,104,593)
Income before contributions	35,076,093
<b>Capital contributions:</b>	
Grants from the Commonwealth of Virginia	900,914
From developers	<u>2,376,245</u>
Total capital contributions	3,277,159
Change in net position	38,353,252
<b>Total net position at beginning of year as restated</b>	<u>986,751,269</u>
<b>Total net position at end of year</b>	<u>\$ 1,025,104,521</u>

See accompanying notes to the financial statements.

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**STATEMENT OF CASH FLOWS**  
**For the Fiscal Year Ended June 30, 2015**

	<b>2015</b>
<b>Cash flows from operating activities:</b>	
Receipts from customers and users	\$ 190,980,176
Payments to employees	(27,230,342)
Payments to suppliers and contractors	(75,481,704)
Net cash provided by operating activities	88,268,130
<b>Cash flows from capital and related financing activities:</b>	
Capital grants received	900,914
Availability charges received	21,689,013
Principal payments on revenue bonds	(22,429,257)
Interest payments on revenue bonds	(24,334,573)
Purchases of capital assets, other than purchased capacity	(43,222,565)
Acquisition of purchased capacity	(49,754,724)
Proceeds from the sale of capital assets	77,180
Net cash used by capital and financing activities	(117,074,012)
<b>Cash flows from investing activities:</b>	
Sales of restricted investments	20,549,152
Purchases of restricted investments	(21,891,582)
Interest received	780,353
Net cash used by investing activities	(562,077)
<b>Net decrease in cash and cash equivalents</b>	<b>(29,367,959)</b>
Cash and cash equivalents at beginning of year	158,938,221
Cash and cash equivalents at end of year	\$ 129,570,262
<b>Reconciliation of operating income to net cash provided by operating activities:</b>	
Operating income	\$ 37,180,686
Adjustments to reconcile operating loss to net cash provided by operating activities:	
Depreciation and amortization	58,046,612
Changes in assets and liabilities:	
Decrease in intergovernmental receivables	3,979,327
Increase in inventories and other assets	(3,026,470)
Decrease in accounts payable and accrued liabilities	(2,711,983)
Decrease in contracts payable	(5,200,042)
Total adjustments	51,087,444
Net cash provided by operating activities	\$ 88,268,130
<b>Noncash investing, capital, and financing activities:</b>	
Capital contributions - from developers	\$ 2,376,245
Net increase in long-term debt resulting from the issuance of loans/revenue bonds by UOSA	2,520,436
Increase in fair value of investments not classified as cash and cash equivalents	22,816

See accompanying notes to the financial statements.



## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

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**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**NOTES TO THE FINANCIAL STATEMENTS**  
**June 30, 2015**

**(1) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

***(a) Basis of Presentation***

The County of Fairfax, Virginia Integrated Sewer System (System) is an enterprise fund of the County of Fairfax, Virginia (County), and provides sewer services to approximately 1.0 million residents through a County-wide sewer system of over 3,400 miles of sewer lines. The sewer service area, approximately 234 square miles, is defined and controlled through the County of Fairfax Board of Supervisors (Board). The System is governed by the Board and managed and operated separately as the Wastewater Management Program, one of five major activities of the County's Department of Public Works and Environmental Services.

As a County business-type activity, System financial information is separately accounted for in an enterprise fund and is included in the County's Comprehensive Annual Financial Report (CAFR).

These financial statements are only of the operations of the System and are not intended to present the financial position, changes in financial position, or, where applicable, cash flows of the County.

***(b) Basis of Accounting***

The System is required to recover the costs of providing services, including capital costs, through user charges. Accordingly, the System uses enterprise fund accounting, an economic resources measurement focus, and the accrual basis of accounting. Consequently, revenues are recognized when earned and expenses are recorded as incurred. The System defines operating revenues and expenses as those directly related to providing sewer services. Operating revenues consist of charges to System users. Operating expenses include personnel, materials and supplies, services purchased from other local jurisdictions, and depreciation and amortization of capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses; these include sewer availability fees, investment earnings and interest on outstanding debt.

***(c) Use of Estimates***

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

***(d) Tax Status***

The System, as part of a local government, is not subject to federal, state, or local income taxes, and, accordingly, no provision for income taxes is made.

***(e) Sewer Service Charges***

The major sources of revenue for the System are sales to existing customers for continuing sewer service. Customers are charged for sewer service based on metered water usage in addition to a base charge, which is determined by meter size. Sewer service charges are designed to recover the costs of operation and maintenance of the System, as well as debt service and capital project costs attributable to supporting or improving wastewater treatment services to the System's customers. Sewer service charges are recorded as operating revenue.

***(f) Unbilled Service Charges***

An estimated amount has been recorded for services rendered but not yet billed as of the close of the fiscal year. This estimated receivable is calculated by prorating water consumption and billings for certain prior months.

***(g) Availability Charges***

New customers connecting to the System are required to pay an availability fee before obtaining a building permit in the County. Availability fees are used to recover the construction and financing costs associated with expanding System capacity. Availability fees are reported as nonoperating revenue.

In fiscal year 15 a payment plan for an availability charge was established with a customer. This payment arrangement necessitated presenting the accounts receivables due beyond one year, as a long-term receivable.

***(h) Cash and Investments on Deposit with the County of Fairfax, Virginia***

The System maintains the majority of its available cash in a cash and investment pool administered by the County. Such amounts are considered to be cash equivalents for purposes of the Statements of Cash Flows. To optimize investment returns, the System's funds are invested together with all other County pooled funds, all of which are fully insured or collateralized. The County allocates, on a monthly basis, any investment earnings based on the System's average balance in pooled cash and investments, less an administrative charge.

***(i) Flow Assumption for Restricted Assets***

Restricted assets are liquid assets which have third-party limitations on their use. When both restricted and unrestricted assets are available for use, it is the System's policy to use restricted resources first, then unrestricted assets when needed. See Note 4 for additional information regarding restricted assets.

***(j) Investments***

Investments consist primarily of U.S. government securities that mature in less than one year from the date of purchase and discount government-sponsored enterprise (GSE) securities, which are stated at amortized cost.

***(k) Inventories***

Inventories are carried at cost using an average unit cost method. The System's inventories consist of operating supplies and certain system replacement parts.

***(l) Capital Assets***

Capital assets that individually cost \$5,000 or more with a useful life of more than one year are capitalized and recorded at cost. Contributed capital assets are recorded at their estimated fair value on the date of donation. Capital assets are depreciated/amortized over their estimated useful lives using the straight-line method. The estimated useful lives are as follows:

Infrastructure	10-50 years
Sewer lines	50 years
Buildings	20-50 years
Purchased capacity	99 years
Improvements	15-25 years
Equipment	5-20 years
Software	5-20 years

For constructed assets, all costs necessary to bring such assets to the condition and location necessary for the intended use, including interest on related debt, are initially treated as construction in progress and subsequently as buildings, improvements, or purchased capacity once the assets are substantially complete. Depreciation and amortization on constructed assets begin when the assets are substantially ready for their intended use.

***(m) Retirement Plan***

Employees of the System participate in the Fairfax County Employees' Retirement System (Retirement Plan). The System's contributions, based on a contractually fixed rate established by Board, are reported as personnel services. Current contributions to the retirement plan are reported as deferred outflows.

***(n) Compensated Absences***

Employees earn vacation pay based on a prescribed formula, which allows employees with less than 10 years of service to accumulate a maximum of 240 hours and employees with 10 years or more of service to accumulate a maximum of 320 hours of vacation benefits as of the end of each calendar year. In addition, employees may accrue compensatory leave for hours worked in excess of their scheduled hours. Compensatory leave in excess of 240 hours at the end of the calendar year is forfeited. The current pay rate and certain employer-related fringe benefits are used to calculate the year end accruals. At June 30, 2015, the System accrued \$2,262,029 for such compensated absences.

***(o) Intergovernmental Agreements***

The County has entered into several intergovernmental agreements for the purpose of sharing sewage flow and treatment facility costs. The payments to other governmental units made to reimburse operating costs are reported as expenses in the year incurred. The interest payments for debt service are reported as nonoperating expenses. The payments made for construction costs for facility capacity expansions are reported as purchased capacity (see notes 5 and 9). Through these capital payments, the System has exclusive entitlements to treatment capacities at other governmental sewage treatment facilities.

**(2) DUE FROM OTHER GOVERNMENTAL ENTITIES**

Amounts due from other governmental entities consist of customer service charges, which are billed and collected by Fairfax Water and other local water authorities, and sales of sewer services to other jurisdictions which utilize the System's sewage treatment and collection facilities.

The Board appoints the members of the board of Fairfax Water; however, the County's accountability does not extend beyond making the appointments. During fiscal year 2015, Fairfax Water collected approximately \$174.7 million on behalf of the System. As of June 30, 2015, the System has receivables of approximately \$42.0 million due from Fairfax Water and \$6.8 million due from other governmental entities.

**(3) DEPOSITS AND INVESTMENTS**

The System's available cash is invested in the County's cash and investment pool. The County maintains an investment policy, the overall objectives of which are the preservation of capital and the protection of investment principal; maintenance of sufficient liquidity to meet operating requirements; conformance with federal, state, and other legal requirements; diversification to avoid incurring unreasonable risks regarding specific security types or individual financial institutions; and attainment of a market rate of return. Oversight of investment activity is the responsibility of the Investment Committee, which is comprised of the chief financial officer and certain key management and investment staff.

The Code of Virginia (Code) authorizes the County and the System to purchase the following types of investments:

- Commercial paper
- U.S. Treasury and agency securities
- U.S. Treasury strips
- Negotiable certificates of deposits and bank notes
- Money market funds
- Bankers acceptances
- Repurchase agreements
- Medium term corporate notes
- Local government investment pool
- Asset-backed securities
- Hedged debt obligations of sovereign governments
- Securities lending programs
- Obligations of the Asian Development Bank
- Obligations of the African Development Bank



- Obligations of the International Bank for Reconstruction and Development
- Obligations of the Commonwealth of Virginia and its instrumentalities
- Obligations of counties, cities, towns, and other public bodies located within the Commonwealth of Virginia
- Obligations of state and local government units located within other states
- Savings accounts or time deposits in any bank or savings institution within the Commonwealth that complies with the Code

However, the County's investment policy precludes the investment of pooled funds in derivative securities, reverse repurchase agreements, or security lending programs.

***(a) Interest Rate Risk***

The System's investment in the pool is covered by the County's policy to minimize the risk that the market value of securities in its portfolio will fall due to changes in market interest rates. To achieve this minimization of risk, the County structures the pooled investment portfolio so that sufficient securities mature to meet cash requirements for ongoing operations, thereby avoiding the need to sell securities on the open market prior to maturity. Pooled investments that are purchased to meet liquidity needs shall have a target weighted average maturity of 90 days. All other pooled funds are invested primarily in shorter-term securities.

***(b) Credit Risk***

It is also the County's policy to minimize the risk of loss due to the failure of an issuer or other counterparty to an investment to fulfill its obligations. The County pre-qualifies financial institutions, broker-dealers, intermediaries, and advisers with which the County does business. Based on the County's investment policy, the pooled investments are limited to relatively low risk types of securities and are diversified so that potential losses on individual securities will be minimized. Also, new investments shall not be made in securities that are listed on Moody's Watchlist or S&P's Credit Watch with a short term negative rating. The policy specifies the following acceptable credit ratings for specific types of investments in the pooled portfolio:

- U.S. government-sponsored enterprise (GSE) instruments shall be rated by both Moody's and S&P with a minimum rating of Prime 1 and A-1, respectively.
- Prime quality commercial paper shall be rated by at least two of the following: Moody's, with a minimum rating of Prime 1; S&P, with a minimum rating of A-1; Fitch Investor's Services, Inc. (Fitch), with a minimum rating of F-1; or by Duff and Phelps, Inc., with a minimum rating of D-1.
- Mutual funds must have a rating of AAA or better by S&P, Moody's, or another nationally recognized rating agency.
- Bank deposit notes must have a rating of at least A-1 by S&P and P-1 by Moody's.
- Banker's acceptances must have a rating by at least two of the following: Moody's P-1, S&P A-1, Fitch F-1 and Duff and Phelps D-1.
- Corporate notes must have a rating of at least Aa by Moody's and a rating of at least AA by S&P.

The portfolio weighted average maturity for The County's entire cash and investment pool was 191.0, as of June 30, 2015. The County's portfolio, as of June 30, 2015, consisted of investments with credit quality ratings shown below:

	<u>AA</u>	<u>A-1</u>	<u>AAA-m</u>	<u>Aaf/S1</u>	<u>Unrated</u>	<u>Total</u>
2015	23.6	57.7	4.4	2.3	12.0	100.0

***(c) Concentration of Credit Risk***

The County's investment policy sets the following limits for the types of securities held in its pooled investment portfolio:

Repurchase agreements and mutual funds	30%	maximum
Bank notes, banker's acceptances and negotiable certificates of deposit	40%	maximum
Commercial paper	35%	maximum
Corporate notes	25%	maximum
US Treasury and agency securities	100%	maximum
Non-negotiable certificates of deposits	40%	maximum

In addition, not more than 5% of the total pooled funds available for investment at the time of purchase may be invested in any one issuing or guaranteeing corporation for commercial paper, banker's acceptances, corporate notes, and bank notes.

***(d) Custodial Credit Risk***

For deposits, custodial credit risk is the risk that in the event of a failure of a depository financial institution, the reporting entity may not recover its deposits. In accordance with the Virginia Security for Public Deposits Act (Act), all of the County's deposits are covered by federal depository insurance or collateralized in accordance with the Act, which provides for the pooling of collateral pledged by financial institutions with the Treasurer of Virginia to secure public deposits as a class. No specific collateral can be identified as security for one public depositor, and public depositors are prohibited from holding collateral in their name as security for deposits. If any member financial institution fails, the entire collateral pool becomes available to satisfy the claims of governmental entities. If the value of the pool's collateral is inadequate to cover a loss, additional amounts are assessed on a pro rata basis to the members of the pool. The State Treasury Board is responsible for monitoring compliance with the collateralization and reporting requirements of the Act and for notifying local governments of compliance by participating financial institutions. A multiple financial institution collateral pool that provides for additional assessments is similar to depository insurance, therefore, funds deposited in accordance with the requirements of the Act are considered to be fully insured.

For investments, custodial credit risk is the risk that, in the event of the failure of a counterparty, the County will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Per policy, all of the pooled investments purchased by the County are insured or registered or are securities held by the County or its agent in the County's name.

Additional information and information by investment type related to the interest rate risk and the credit risk pertaining to the entire cash and investment pool can be found in the County's Comprehensive Annual Financial Report for the fiscal year ended June 30, 2015.

Certain investments are separately held by the System apart from the County's cash and investment pool and are made in accordance with bond indentures. All of these investments, which are summarized below at carrying value as of June 30, 2015 is insured, registered or held by the System or its agent in the System's name:

	<b>2015</b>
U.S. Treasury securities	\$ 14,344,398
Money Market Mutual Fund	21,121,159
Mutual Fund - SNAP	<u>212,355</u>
Total	<u>\$ 35,677,912</u>

#### **(4) RESTRICTED ASSETS AND RESTRICTED NET POSITION**

As of June 30, 2015, the System had restricted cash and investments of \$101,360,068 for certain purposes in order to manage its funds in accordance with the 1985 General Bond Resolution (the Resolution), as modified through July 2009. The Resolution requires that the System must set aside or restrict funds for certain purposes, including sewer construction, extensions and improvements, establishing a long-term debt service reserve, and funding current debt service requirements.

The System's restricted assets and restricted net position as of June 30, 2015, are as follows:

	<b>2015</b>
Assets are restricted for:	
Extensions and improvements	<u>\$ 59,478,878</u>
Long-term debt service requirements:	
Sewer revenue bonds:	
Series 2009, 2012, & 2014	21,097,057
Subordinated sewer revenue bonds:	
2001 VRA	2,791,079
2002 VRA	<u>3,412,199</u>
Total long-term debt service requirements	<u>\$ 27,300,335</u>
Current debt service requirements	<u>14,580,855</u>
Total restricted assets	\$ 101,360,068
Less related debt	
Unspent bond proceeds	(8,021,071)
Long-Term debt service requirement	<u>(27,300,335)</u>
Total restricted net position	<u>\$ 66,038,662</u>

**(5) CAPITAL ASSETS**

Changes in capital assets for the year ended June 30, 2015 is as follows:

	<b>Balances June 30, 2014</b>	<b>Increases</b>	<b>Decreases</b>	<b>Balances June 30, 2015</b>
Capital assets:				
Non-depreciable:				
Land	\$ 17,407,323	-	-	17,407,323
Easement	406,829	48,400	-	455,229
Construction in progress	116,847,901	32,181,304	(46,051,502)	102,977,703
Depreciable/amortizable:				
Buildings	88,398,832	15,148	-	88,413,980
Improvements and sewer lines	1,102,833,994	57,090,160	-	1,159,924,154
Equipment	12,342,537	2,370,581	(598,433)	14,114,685
Purchased capacity	934,345,410	49,754,725	-	984,100,135
Total capital assets	<u>\$ 2,272,582,826</u>	<u>141,460,318</u>	<u>(46,649,935)</u>	<u>2,367,393,209</u>
Accumulated depreciation/amortization for:				
Buildings	(41,349,556)	(2,140,037)	-	(43,489,593)
Improvements and sewer lines	(516,962,780)	(25,829,933)	-	(542,792,713)
Equipment	(8,691,310)	(935,778)	514,430	(9,112,658)
Purchased capacity	(285,937,804)	(29,140,865)	-	(315,078,669)
Total accumulated depreciation/ amortization	<u>\$ (852,941,450)</u>	<u>(58,046,613)</u>	<u>514,430</u>	<u>(910,473,633)</u>
Total capital assets, net	<u>\$ 1,419,641,376</u>	<u>83,413,705</u>	<u>(46,135,505)</u>	<u>1,456,919,576</u>

Changes in purchased capacity, net of accumulated amortization, for the year ended June 30, 2015, in relation to each jurisdiction, are detailed as follows:

	<b>Balances June 30, 2014</b>	<b>Additions</b>	<b>Amortization</b>	<b>Balances June 30, 2015</b>
Purchased capacity, net:				
Blue Plains	\$ 173,045,554	26,229,555	(6,332,624)	192,942,485
UOSA	203,226,210	-	(10,783,095)	192,443,115
Alexandria Renew Enterprises	210,556,987	23,490,943	(9,678,445)	224,369,485
Arlington County	42,842,258	34,227	(1,641,494)	41,234,991
Prince William County Service Authority	516,800	-	(30,400)	486,400
Loudoun Water	18,219,797	-	(674,807)	17,544,990
Total purchased capacity, net	<u>\$ 648,407,606</u>	<u>49,754,725</u>	<u>(29,140,865)</u>	<u>669,021,466</u>

## **(6) RETIREMENT PLANS**

### ***(a) Plan Description***

Employees of the System are provided with pensions through the Fairfax County Employees' Retirement System (ERS), a single-employer defined benefit pension plan which covers full-time and certain part-time employees of Fairfax County and component units of the County, who are not covered by other plans of the County or the Virginia Retirement System.

### ***(b) Benefits Provided***

Benefit provisions are established and may be amended by County ordinances. All benefits vest at five years of creditable service. Members who were hired before January 1, 2013 may elect to join Plan A or Plan B, and members who were hired on or after January 1, 2013 may elect to join Plan C or Plan D. To be eligible for normal retirement, an individual must meet the following criteria: (a) attain the age of 65 with five years of creditable service, (b) for Plans A and B, attain the age of 50 with age plus years of creditable service being greater than or equal to 80, or (c) for Plans C and D, attain the age of 55 with age plus years of service being greater than or equal to 85. The normal retirement benefit is calculated using average final compensation (i.e., the highest 78 consecutive two week pay periods or the highest 36 consecutive monthly pay periods) and years (or partial years) of creditable service at date of termination. In addition, if normal retirement occurs before Social Security benefits are scheduled to begin, an additional monthly benefit is paid to retirees. The plan provides that unused sick leave credit may be used in the calculation of average final compensation by projecting the final salary during the unused sick leave period. Those who commenced employment on or after January 1, 2013, may not use more than 2,080 hours of accrued sick leave toward service credit for retirement or DROP entry. The benefit for early retirement is actuarially reduced and payable at early termination.

Effective July 1, 2005, a Deferred Retirement Option Program (DROP) was established for eligible members of the ERS. Members who are eligible for normal service retirement are eligible to participate in this program. DROP provides the ability for an employee to retire for purposes of the pension plan, while continuing to work and receive a salary for a period of three years. During the DROP period, the pension plan accumulates the accrued monthly benefit into an account balance identified as belonging to the member. The account balance is credited with interest in the amount of 5.0% per annum, compounded monthly. The monthly benefit is calculated using service and final compensation as of the date of entry in DROP, with increases equal to the annual cost-of-living adjustment provided for retirees.

### ***(c) Funding Policy***

All contribution requirements for ERS are established and may be amended by County ordinances, including member contribution rates. Plan A and Plan C require member contributions of 4.0% of compensation up to the Social Security wage base and 5.33% of compensation in excess of the wage base. Plan B and Plan D require member contributions of 5.33% of compensation.

The County is required to contribute at an actuarially determined rate; the rate for the year ended June 30, 2014, was 18.70 percent of annual covered payroll. The decision was made to commit additional funding and a rate of 19.05 percent was adopted for fiscal year 2014. In the event the ERS's funded ratio (the ratio of the actuarial value of assets to the actuarial accrued liability) exceeds 120 percent or falls below 90 percent, the contribution rate will be adjusted to bring the funded ratio back within these parameters. The employer contribution made for the measurement period is \$2,727,132.



***(d) Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions***

At June 30, 2015, the System reported a liability of \$21,919,467 for its proportionate share of the net pension liability. The net pension liability was determined based on an actuarial valuation as of June 30, 2013, using updated actuarial assumptions, applied to all periods included in the measurement and rolled forward to the measurement date of June 30, 2014. At June 30, 2014, the System's proportion was 2.1 percent, a decrease of 0.1 percent from its proportion measured as of June 30, 2013.

For the year ended June 30, 2015, the System recognized pension expense of \$1,792,704. At June 30, 2015, the System's reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ -	\$ -
Changes of assumptions	-	-
Net difference between projected and actual earning on pension plan investments	-	4,065,312
Change in proportion applicable to System	-	1,004,803
System contributions subsequent to the measurement date	2,869,250	-
Total	<u>\$ 2,869,250</u>	<u>\$ 5,070,115</u>

\$2,869,250 reported as deferred outflows of resources related to pensions resulting from the System contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2016. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended June 30:

2016	\$ (1,267,529)
2017	\$ (1,267,529)
2018	\$ (1,267,529)
2019	<u>\$ (1,267,528)</u>
Total	\$ (5,070,115)

***(e) Actuarial Assumptions***

The reported total pension liability (TPL) was determined as part of the July 1, 2013 actuarial valuation using the entry age actuarial cost method and rolled forward to the measurement date of June 30, 2014. Significant actuarial assumptions used in the valuation include the following, found on the next page:

**Actuarial Assumptions**

Inflation	3.0%
Salary increases, including inflation	3.0% + merit
Investment rate of return, net of plan investment expenses	7.5%
Projected period of unfunded benefit payments	None
Municipal bond rate	N/A

Mortality rates with adjustments for mortality improvements were based on the RP 2000 Mortality tables projected to 2015 using Scale AA. The actuarial assumptions used in the July 1, 2013 valuation were based on the results of an actuarial experience study for the period July 1, 2005 to June 30, 2010.

The long term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the ERS's target asset allocation as of June 30, 2014, are summarized below.

**Long Term Expected Rate of Return**

Asset Class	Long Term Expected Real Rate of Return
U.S. Equities	4.5%
International Equities	5.1%
Core Fixed Income	2.0%
High Yield	3.2%
Absolute Return	6.0%
Real Estate	5.3%
Commodity	4.5%

**(f) Discount Rate**

The discount rate used to measure the total pension liability was 7.5 percent. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that County contributions will be made according to the County's stated policy. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the

long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability. A schedule of funding progress can be found in the required supplementary information section of the report.

***(g) Sensitivity of the System's proportionate share of the net pension liability to changes in the discount rate***

The following presents the System's proportionate share of the net pension liability calculated using the discount rate of 7.5 percent, as well as what the System's share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (6.5 percent) or 1-percentage-point higher (8.5 percent) than the current rate:

**Sensitivity of Net Pension Liability to Changes in Discount Rate**

	1% Decrease 6.5%	Current Discount Rate 7.5%	1% Increase 8.5%
Total Pension Liability	\$ 115,310,417	\$ 101,157,362	\$ 89,614,889
Plan Fiduciary Net Position	79,237,895	79,237,895	79,237,895
Net Pension Liability	<u>\$ 36,072,522</u>	<u>\$ 21,919,467</u>	<u>\$ 10,376,994</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	68.7%	78.3%	88.4%

***(h) Pension Plan Fiduciary Net Position***

The retirement system is considered a part of the County's reporting entity and the system's financial statements are included in the County's basic financial statements as a trust fund.

Information concerning ERS as a whole, including pension plan's fiduciary net position, is available in the County CAFR for the fiscal year ended June 30, 2015. Additionally, the ERS issues a publicly available annual financial report that includes financial statements and required supplementary information. That report may be obtained by writing to the Employees' Retirement System, 10680 Main Street, Suite 280, Fairfax, Virginia 22030, or by calling (703) 279-8200.

**(7) OTHER POST-EMPLOYMENT BENEFITS**

The System participates in the County's program to subsidize the health benefit coverage of certain retirees and surviving spouses. In order to participate, retirees must have reached the age of 55 or be on disability retirement and must have health benefit coverage in a plan provided by the County. Retirees must have five years of service in order to participate in this program. The amount of monthly subsidy provided by the County is based on years of service and ranges from \$15 per month to \$175 per month. Retirees receiving the subsidy prior to fiscal year 2004 are grandfathered at \$100 per month unless their years of service entitle them to receive a higher monthly subsidy. Beginning in fiscal year 2008, the subsidy is funded under the guidance of GASB Statement No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*, which requires the County to recognize the cost of the retiree health subsidy and other post-employment benefits during the period of employees' active employment.

In addition, the System participates in a County program to subsidize the continuation of term life insurance, at reduced coverage amounts, for retirees who choose to participate in this cost-sharing program. The cost associated with the System's retirees for the year ended June 30, 2015 was approximately \$765,000. Additional information regarding these programs is available in the County's CAFR for the year ended June 30, 2015.

**(8) LONG-TERM LIABILITIES**

The following is a summary of the changes in the System's long-term liabilities for the fiscal year ended June 30, 2015:

	<b>Balances</b>			<b>Balances</b>	<b>Current</b>
	<b>June 30, 2014</b>	<b>Increases</b>	<b>Decreases</b>	<b>June 30, 2015</b>	<b>Portions</b>
Compensated absences	\$ 2,152,802	1,481,295	(1,372,068)	2,262,029	1,409,569
Sewer Refunding Revenue Bonds - 2014 Series	\$ 61,755,000	-	-	61,755,000	3,175,000
Sewer Revenue Bonds - 2012 Series	89,270,000	-	(1,475,000)	87,795,000	1,530,000
Sewer Revenue Bonds - 2009 Series	142,220,000	-	(2,805,000)	139,415,000	2,950,000
Sewer Refunding Revenue Bonds - 2004 Series	3,335,000	-	(3,335,000)	-	-
Premium on Sewer Refunding Revenue Bonds (net)	28,421,745	-	(1,358,022)	27,063,723	1,279,588
Subordinated Revenue Bonds - 2001	17,918,532	-	(2,383,917)	15,534,615	2,440,268
Subordinated Revenue Bonds - 2002	24,753,207	-	(2,847,128)	21,906,079	2,914,428
Subordinated UOSA Revenue Bonds	277,293,041	-	(11,612,412)	265,680,629	10,060,394
	<u>\$ 647,119,327</u>	<u>1,481,295</u>	<u>(27,188,547)</u>	<u>621,412,075</u>	<u>25,759,247</u>

***(a) Sewer Revenue Bonds***

The System issues bonds under the 1985 General Bond Resolution (Resolution) adopted by the County Board of Supervisors. The Resolution includes a rate covenant under which the System has agreed that it will charge reasonable rates for the use of services rendered by the System. Furthermore, the System will adjust the rates, from time to time, to generate net revenues sufficient to provide an amount equal to 100% of its annual principal and interest requirements and the System's annual commitments to fund its proportionate share of other jurisdictions' debt service requirements. Pursuant to the Resolution, the System is required to maintain a reserve equal to the lesser of (i) the maximum principal and interest requirements of the outstanding bonds for any bond year and (ii) 125% of the average annual principal and interest for any bond year. In the opinion of the System's management, the System is in compliance with all Resolution covenants.

Payment of the principal and interest on all Sewer revenue bonds is secured by a pledge of gross revenues derived from the System after provisions for payment of the operating expenses of the System. The bonds do not constitute general obligations of the County, and authorization to issue any additional debt rests with the Board. In addition, the System is required to adhere to and is in compliance with the rebate and reporting requirements of the federal regulations pertaining to arbitrage.

On October 14, 2004, the System issued \$94,005,000 of Sewer Revenue Refunding Bonds (the Series 2004 Bonds) with an average interest rate of 4.61% to advance refund \$91,430,000 of the outstanding Series 1996 Bonds with an average interest rate of 5.82%. The Net proceeds were used to redeem the Series 1996 Bonds on July 15, 2006.

On June 17, 2009, the System issued \$152,255,000 of Sewer Revenue Bonds (the Series 2009 Bonds) with an average interest rate of 4.72% to fund upgrade costs allocable to the System at certain treatment facilities.

On August 8, 2012, the System issued \$90,710,000 of Sewer Revenue Bonds (the Series 2012 Bonds) with an average interest rate of 4.54% to fund upgrade costs allocable to the System at certain treatment facilities that are owned by, or that provide service to, the County, the purchase of additional capacity at certain wastewater treatment facilities for the benefit of the County and the costs of certain additions, extensions, and improvements to the County's sewage collection, treatment, and disposal systems.

On April 16, 2014, the System took advantage of lower market interest rates and issued \$61,755,000 of Sewer Revenue Refunding Bonds (the Series 2014 Bonds) with an average interest rate of 4.14% to refund \$69,745,000 of the outstanding Series 2004 Bonds with an average interest rate of 4.61%. The Net proceeds were used to redeem the Series 2004 Bonds on July 15, 2014. This refinancing resulted in a net deferred loss of \$4,045,945 which will be amortized over 15 periods. This refunding resulted in an aggregate decrease in the overall debt service of \$15,461,166.

The outstanding bonds as of June 30, 2015, consist of \$61,755,000; \$87,795,000 and \$139,415,000 of Series 2014 Revenue Refunding Bonds, Series 2012 Revenue Bonds, and Series 2009 Revenue Bonds respectively, that bear interest at varying rates and mature in varying amounts. As of June 30, 2015, Series 2004 Refunded Bonds no longer have principal or interest outstanding. The detail is as follows on the next page:



Fiscal Year	Series 2014			Series 2012			Series 2009		
	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2016	3,175,000	2,513,250	5,688,250	1,530,000	4,026,950	5,556,950	2,950,000	6,701,150	9,651,150
2017	3,275,000	2,432,375	5,707,375	1,600,000	3,956,350	5,556,350	3,105,000	6,549,775	9,654,775
2018	3,425,000	2,297,625	5,722,625	1,680,000	3,874,350	5,554,350	3,260,000	6,390,650	9,650,650
2019	3,610,000	2,121,750	5,731,750	1,770,000	3,788,100	5,558,100	3,430,000	6,223,400	9,653,400
2020	3,830,000	1,935,750	5,765,750	1,860,000	3,697,350	5,557,350	3,605,000	6,047,525	9,652,525
2021	4,035,000	1,739,125	5,774,125	1,955,000	3,601,975	5,556,975	3,790,000	5,862,650	9,652,650
2022	4,255,000	1,531,875	5,786,875	2,055,000	3,501,725	5,556,725	3,985,000	5,668,275	9,653,275
2023	4,485,000	1,313,375	5,798,375	2,160,000	3,396,350	5,556,350	4,190,000	5,463,900	9,653,900
2024	4,735,000	1,082,875	5,817,875	2,270,000	3,285,600	5,555,600	4,405,000	5,249,025	9,654,025
2025	4,995,000	839,625	5,834,625	2,385,000	3,169,225	5,554,225	4,605,000	5,046,800	9,651,800
2026	5,205,000	636,675	5,841,675	2,510,000	3,046,850	5,556,850	4,795,000	4,858,800	9,653,800
2027	5,390,000	477,750	5,867,750	2,640,000	2,918,100	5,558,100	4,990,000	4,663,100	9,653,100
2028	5,570,000	299,425	5,869,425	2,765,000	2,789,888	5,554,888	5,195,000	4,459,400	9,654,400
2029	5,770,000	100,975	5,870,975	2,895,000	2,662,538	5,557,538	5,435,000	4,219,625	9,654,625
2030				3,025,000	2,529,338	5,554,338	5,710,000	3,941,000	9,651,000
2031				3,165,000	2,390,063	5,555,063	6,005,000	3,648,125	9,653,125
2032				3,310,000	2,244,375	5,554,375	6,310,000	3,340,250	9,650,250
2033				3,465,000	2,091,938	5,556,938	6,635,000	3,016,625	9,651,625
2034				3,625,000	1,932,413	5,557,413	6,975,000	2,676,375	9,651,375
2035				3,790,000	1,765,575	5,555,575	7,335,000	2,318,625	9,653,625
2036				3,965,000	1,591,088	5,556,088	7,710,000	1,942,500	9,652,500
2037				4,150,000	1,408,500	5,558,500	8,105,000	1,547,125	9,652,125
2038				4,340,000	1,217,475	5,557,475	8,520,000	1,131,500	9,651,500
2039				4,540,000	1,017,675	5,557,675	8,955,000	694,625	9,649,625
2040				4,750,000	808,650	5,558,650	9,415,000	235,375	9,650,375
2041				4,965,000	590,063	5,555,063			
2042				5,195,000	361,463	5,556,463			
2043				5,435,000	122,288	5,557,288			
Total	\$ 61,755,000	19,322,450	81,077,450	87,795,000	67,786,250	155,581,250	139,415,000	101,896,200	241,311,200

### ***(b) Subordinated Sewer Revenue Bonds***

In June 2001 and June 2002, the System issued 20-year subordinated sewer revenue bonds in the amounts of \$40,000,000 and \$50,000,000, respectively, to the Virginia Water Facilities Revolving Fund, acting by and through the Virginia Resources Authority (VRA). The proceeds have been used to finance a portion of the System's share of the expansion and upgrade costs of the Alexandria Renew Enterprises' wastewater treatment facilities, which provide service to certain County residents. In September 2012, the System executed a rate reduction agreement with VRA reducing the interest rates on these bonds from 4.10% and 3.75% per annum, respectively, to 2.35% per annum and the required semi-annual debt service payments from \$1,499,642 and \$1,818,894, respectively to \$1,395,539 and \$1,706,099, respectively. The rate reduction agreement resulted in interest savings of \$1,769,745 and \$2,143,099, respectively. These bonds are subordinated to all outstanding prior bond issues of the System and payments for operation and maintenance expenses.

As of June 30, 2015, the principal and interest payment schedule for the 2001 and 2002 subordinated revenue bonds is as follows on the next page:

Fiscal Year	2001 Subordinated Revenue Bonds			2002 Subordinated Revenue Bonds		
	Principal	Interest	Total	Principal	Interest	Total
2016	2,440,268	350,811	2,791,079	2,914,428	497,771	3,412,199
2017	2,497,951	293,128	2,791,079	2,983,320	428,879	3,412,199
2018	2,556,998	234,081	2,791,079	3,053,839	358,360	3,412,199
2019	2,617,441	173,638	2,791,079	3,126,026	286,173	3,412,199
2020	2,679,312	111,767	2,791,079	3,199,920	212,279	3,412,199
2021	2,742,645	48,433	2,791,078	3,275,559	136,639	3,412,198
2022	-	-	-	3,352,987	59,211	3,412,198
Total	<u>\$ 15,534,615</u>	<u>1,211,858</u>	<u>16,746,473</u>	<u>21,906,079</u>	<u>1,979,312</u>	<u>23,885,391</u>

**(c) Upper Occoquan Sewage Authority (UOSA) Debt**

In January 1995, UOSA, a joint venture, issued \$288,600,000 of Regional Sewer System Revenue Bonds to finance the cost of expanding the capacity of its wastewater treatment facilities from 32 million gallons per day (MGD) to 54 MGD and \$42,260,000 of Regional Sewer System Revenue Refunding Bonds to refund certain outstanding bonds that had been issued to finance a prior expansion. On December 15, 2003, UOSA issued \$58,150,000 of Regional Sewer System Revenue Refunding Bonds, of which the System's share is \$36,848,116, to advance refund the outstanding Series 1993 bonds, resulting in a \$1,514,494 accounting gain, which is being amortized over the life of the Series 2003 Bonds. On November 9, 2004, UOSA issued \$49,395,000 of Regional Sewer System Revenue Refunding Bonds, of which the System's share is \$31,866,527, to advance refund a portion of the outstanding Series 1995 Bonds, resulting in a \$619,329 accounting gain, which is being amortized over the life of the Series 2004 Bonds. On July 1, 2005, UOSA issued \$82,465,000 of Regional Sewer System Revenue Refunding Bonds, of which the System's share is \$53,201,198, to advance refund another portion of the outstanding Series 1995 Bonds, resulting in a \$1,909,604 accounting gain, which is being amortized over the life of the Series 2005 Bonds. In February 2007, UOSA issued \$90,315,000 of Regional Sewer System Revenue Refunding Bonds, of which the System's share is \$58,265,521, to advance refund another portion of the outstanding Series 1995 Bonds, resulting in a \$83,868 accounting loss, which is being amortized over the life of the Series 2007 Bonds. In December 2007, UOSA issued \$119,715,000 of Regional Sewer System Revenue Bonds, of which the System's share is \$53,925,458, to finance the cost of expanding its wastewater treatment and conveyance facilities. In December 2010, UOSA issued \$85,180,000 of Regional Sewer System Revenue Bonds, of which the System's share is \$34,113,615, to finance the cost of certain capital improvements. In fiscal year 2012, UOSA entered into VRA loans 2011A and 2011B to fund costs related to the Energy Service (ESCO) project and Phase 1 of the Nutrient Compliance Improvement Project (P1NR), respectively. In fiscal year 2013, UOSA issued \$101,615,000 of Regional Sewer System Revenue Refunding Bonds of which the System's share is \$65,555,566, to refund the outstanding Series 2005 Bonds reducing total debt service payments over future years by approximate \$4.9 million.

In fiscal year 2014, UOSA issued \$37,735,000 of Regional Sewer System Revenue Refunding Bonds of which the System's share is \$23,911,671, to refund the outstanding Series 2003 Bonds. Although the refunding resulted in an accounting loss of \$2,520,436 which is being amortized over the life of the Series 2013B Bonds, the System reduced total interest payments over future years by approximately \$2.1 million.

In fiscal year 2015, UOSA refinanced a portion of Bond Series 2007. Of the \$112,190,980 balance, \$93,175,291 was refunded into Series 2014. This resulted in a gain of \$2,029,199 which will be amortized over 24 periods. This refunding resulted in an aggregate decrease in the overall debt service of \$6,359,186. The System's share of UOSA's total outstanding debt at June 30, 2015, is \$265,680,629 and it is subordinate to the Sewer Revenue Bonds issued by the System.

As of June 30, 2015, the System is obligated to fund its proportionate share of outstanding UOSA Regional Sewer System Revenue and Refunding Bonds, as follows:

Fiscal Year	UOSA		
	Principal	Interest	Total
2016	10,060,394	9,956,283	20,016,677
2017	10,443,086	9,571,781	20,014,867
2018	10,827,280	9,188,686	20,015,966
2019	11,227,836	8,785,271	20,013,107
2020	11,653,215	8,361,191	20,014,406
2021	11,753,882	7,914,376	19,668,258
2022	14,984,052	7,670,660	22,654,712
2023	12,886,289	7,335,302	20,221,591
2024	13,208,776	7,013,209	20,221,985
2025	13,565,795	6,658,395	20,224,190
2026	21,238,943	6,280,853	27,519,796
2027	15,462,058	5,382,102	20,844,160
2028	16,204,573	4,636,073	20,840,646
2029	16,990,104	3,853,049	20,843,153
2030	5,119,455	3,030,900	8,150,355
2031	5,318,306	2,837,371	8,155,677
2032	5,515,232	2,635,080	8,150,312
2033	5,641,361	2,425,207	8,066,568
2034	5,581,257	2,210,959	7,792,216
2035	5,797,577	1,996,354	7,793,931
2036	6,045,835	1,745,770	7,791,605
2037	6,307,358	1,484,395	7,791,753
2038	6,581,893	1,209,287	7,791,180
2039	6,682,507	922,161	7,604,668
2040	6,947,535	656,430	7,603,965
2041	6,047,653	380,159	6,427,812
2042	1,760,147	139,947	1,900,094
2043	1,828,230	71,301	1,899,531
Total	\$ 265,680,629	124,352,552	390,033,181

## (9) COMMITMENTS AND CONTINGENCIES

### *(a) Cost Sharing Agreement with Alexandria Renew Enterprises (ARE)*

The System is obligated under an agreement with the ARE to share in the construction and operating costs and debt service requirements for ARE's sewage treatment facility. Currently, the System has a capacity entitlement of 32.4 MGD, which is 60% of the facility's total capacity of 54 MGD. Although the System is allowed one nonvoting representative at the meetings of ARE, the System has no significant influence in the management of the treatment facilities. In addition, the System has no direct ongoing equity interest in the assets or liabilities of ARE. Accordingly, the System does not account for this commitment as a joint venture.

The ARE facility completed major improvements to meet new water quality standards in 2005. A new construction program to build enhanced nutrient removal facilities has been initiated. The System paid ARE \$23,490,943 for purchased capacity in fiscal year 2015 to fund its share of the construction and land acquisition costs. The System estimates its share of the remaining construction costs to be \$110,133,000, of which \$23,470,000 is expected to be incurred in fiscal year 2016 and the balance over fiscal years 2017 to 2025. In addition, the System made total payments of \$13,380,703 to ARE during fiscal year 2015 for its share of the ARE's operating costs.

***(b) Cost-Sharing Agreement with the District of Columbia (District)***

The System is obligated under the 2012 Blue Plains Intermunicipal Agreement (2012 IMA), which replaced the 1985 IMA, between the County; the District; the District of Columbia Water and Sewer Authority (DC Water); Montgomery County, Maryland; Prince George's County, Maryland; and the Washington Suburban Sanitary Commission to share the construction and operating costs of the Blue Plains Wastewater Treatment Plant, which is operated by DC Water. Currently, the System has a capacity entitlement of 31 MGD, which is approximately 8.4% of the Plant's total capacity of 370 MGD. DC Water has a Board of Directors comprised of six members from the District, two each from Montgomery and Prince George's Counties, and one from the County. The System has no significant control over plant operations and construction and no ownership interest in the assets of DC Water. Accordingly, the System does not account for this commitment as a joint venture.

The Blue Plains Plant is currently undergoing a major renovation of its sludge disposal systems along with nitrogen removal upgrades. The System paid DC Water \$26,229,555 for purchased capacity in fiscal year 2015 and to fund its share of construction costs; the System estimates its share of the remaining construction costs to be \$93,166,000, of which \$15,667,000 is expected to be incurred in fiscal year 2016 and the balance over fiscal years 2017 to 2025. In addition, the System made total payment of \$15,016,549 to DC Water during fiscal year 2015, for its share of the Plant's operating costs.

***(c) Joint Venture – Upper Occoquan Sewage Authority (UOSA)***

UOSA is a joint venture created under the provisions of the Virginia Water and Waste Authorities Act on March 3, 1971, by a concurrent resolution of the governing bodies of the County, Prince William County, and the Cities of Manassas and Manassas Park to finance, construct, and operate a regional sewage treatment facility. Currently, the System has a capacity entitlement of 22.6 MGD, which is 42% of the facility's total capacity of 54 MGD. The governing body of UOSA is an eight member board of directors consisting of two members from each participating jurisdiction appointed to four year terms. The UOSA Board of Directors adopts an annual operating budget based on projected sewage flows.

The County has no explicit and measurable interest in UOSA but does have an ongoing financial responsibility for its share of UOSA's construction costs, operating costs, and annual debt service. There are no ongoing construction costs for UOSA and the System did not purchase capacity from UOSA in 2015. In addition, the System made total payments to UOSA of \$12,687,555 in fiscal year 2015 to pay its share of UOSA's operating costs.

Summarized UOSA financial information as of and for the year ended June 30, 2014, (the most recent available audited financial information) is shown below. The complete financial statements for UOSA can be obtained by writing to UOSA at 14631 Compton Road, Centreville, Virginia 20121.

	<b>2014</b>
Total assets	\$ 616,213,701
Deferred outflows of resources	8,642,846
Total liabilities	<u>(539,636,065)</u>
Net position	<u>\$ 85,220,482</u>
Operating revenues	\$ 28,140,951
Operating expenses	(52,692,746)
Nonoperating revenues, net	4,722,304
Capital contributions	<u>14,840,020</u>
Decrease in net position	<u>\$ (4,989,471)</u>

***(d) Cost Sharing Agreement with Arlington County, Virginia (Arlington)***

The System is obligated under the 1989 Sewage Conveyance Treatment and Disposal Agreement with Arlington to share the construction and operating costs of the sewage treatment facility owned and operated by Arlington. Currently, the System has a capacity entitlement of 3 MGD, which is 7.5% of the facility's total capacity of 40 MGD. The System has no direct ongoing equity interest in the facility's assets and liabilities. Furthermore, the System has no significant influence in the management of Arlington's treatment facility. Accordingly, the System does not account for this commitment as a joint venture.

The Arlington facility has recently completed a major upgrade to meet new water quality standards. The System paid Arlington \$34,227 for purchased capacity in fiscal year 2015 to fund its share of the construction costs; the System estimates its share of the remaining construction costs to be \$6,516,000, of which \$1,474,000 is expected to be incurred in fiscal year 2016 and the balance over fiscal years 2017 to 2025. In addition, the System made total payments of \$2,711,644 to Arlington during fiscal year 2015 for its share of Arlington's operating costs.

***(e) Cost Sharing Agreement with Loudoun County, Virginia, Sanitation Authority (Loudoun Water)***

The System is obligated under the Broad Run Water Reclamation Facility Capacity Agreement with Loudoun Water to share the construction and operating costs and debt service requirements of the sewage treatment facility owned and operated by Loudoun Water. Currently, the System has a capacity entitlement of 1.0 MGD, which is 9.0% of the facility's total capacity of 11 MGD. The System has no direct ongoing interest in the facility's assets and liabilities. Furthermore, the System has no significant influence in the management of Loudoun Water's treatment facility. Accordingly, the System does not account for this commitment as a joint venture.

The System will incur operating costs once it starts to deliver flows to Loudoun Water's facilities which has not happened to date and is not expected to start in fiscal year 2016. The Broad Run Plant is a new facility; therefore, no construction or debt service requirements are expected in the near future.

***(f) Other Commitments***

At June 30, 2015, the System had contractual commitments of approximately \$20,183,000 for construction of various sewer projects, excluding the ARE, District, UOSA, Arlington County, and Loudoun Water contractual commitments noted above.

***(g) Other Contingencies***

The System is contingently liable with respect to lawsuits and other claims which arise in the ordinary course of its operations. It is the opinion of the management of the System and the County, as well as the County Attorney, that any losses which may ultimately be incurred as a result of those suits and claims will not be material to the System's financial statements.

**(10) RISK MANAGEMENT**

The System is exposed to various risks of loss related to torts, theft of, damage to and destruction of assets, errors and omissions, injuries to employees and citizens, and natural disasters. For all of these risks, the



System participates in the County's insurance program, which includes self-insurance and the purchase of certain commercial insurance policies. The System is charged by the County for costs associated with workers' compensation, vehicle and general liability risks, and the costs associated with other risks are borne by the County. There were no claims settlements in excess of insurance coverage in any of the past three fiscal years. Information regarding the County's insurance program is available in the County's CAFR for the fiscal year ended June 30, 2015.

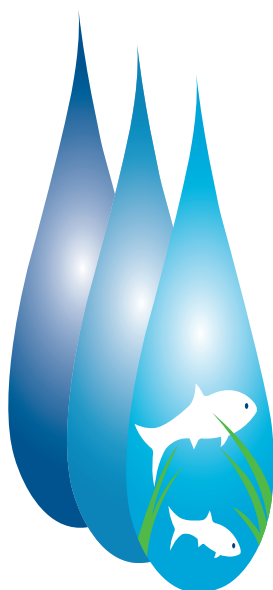
#### **(11) IMPLEMENTATION OF NEW ACCOUNTING PRONOUNCEMENTS**

In fiscal year 2015, the System implemented the new pronouncements GASB Statement No. 68 Accounting and Financial Reporting for Pensions—an amendment of GASB Statement No.27, and GASB Statement No. 71 Pension Transition for Contributions Made Subsequent to the Measurement Date. Statement No. 68 establishes the standards for accounting and reporting regarding employee pension plans including the recognition and measurement of liabilities, deferred inflows and outflows, expenses and expenditures. Statement No. 71 specifies the treatment of contributions made subsequent to the liability measurement date in the year of implementation. As a result of the change in accounting requirements, the fiscal year 2014 balances presented in this report differ from the items presented in the fiscal year 2014 financial statements, which are adjusted as follows:

	2014 Statement of Net Position	Establishing Net Pension Liability	2014 Restated Balances
Deferred Outflow related to pensions	\$ -	\$ 2,727,132	\$ 2,727,132
Net Pension Liability	-	27,924,011	27,924,011
Net Position	1,011,948,148	(25,196,879)	986,751,269

The implementation of GASB 68 restatement reduced the net position in FY14 by \$25,196,879.

# FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**REQUIRED SUPPLEMENTARY INFORMATION (unaudited)**

## 1.0 SUPPLEMENTAL PENSION INFORMATION

Tables indicating the System's proportionate share of the Net Pension Liability and a schedule of the System's contributions.

**TABLE 1.1**

<b>Schedule of the System's Proportionate Share of the Net Pension Liability</b> <b>ERS Pension Plan</b> <b>Last 10 Fiscal Year*</b>	
	2015
The System's proportion of the net pension liability (asset)	2.1040%
The System's proportion share of the net pension liability (asset)	\$ 21,919,467
The System's covered-employee payroll	\$ 14,130,410
The System's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll	1.55%
Plan fiduciary net position as a percentage of the total pension liability	78.30%

\* The schedule is intended to show information for 10 years. 2015 is first year implemented, additional years will be displayed as they become available. The amounts presented for each fiscal year were determined as of 6/30, year shown is Fiscal Year of presentation.

**TABLE 1.2**

<b>Schedule of the System's Contributions</b> <b>ERS Pension Plan</b> <b>Last 10 Fiscal Years*</b>					
	Actuarial Determined Contribution	Contributions in Relation to the Actuarial Determined Contribution	Contribution Deficiency (Excess)	System's Covered Employee Payroll	Contributions as a Percentage of Covered Payroll
2015	\$ 2,727,132	2,727,132	-	14,130,410	19.30 %

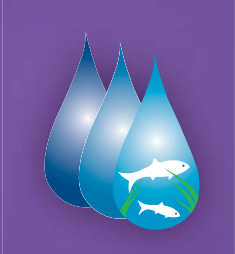
\* The schedule is intended to show information for 10 years. 2015 is first year implemented, additional years will be displayed as they become available.

# FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

FAIRFAX COUNTY  
WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*





**FAIRFAX COUNTY  
WASTEWATER MANAGEMENT**



*Quality of Water = Quality of Life*

**INTEGRATED SEWER SYSTEM    COUNTY OF FAIRFAX, VIRGINIA**  
**STATISTICAL SECTION (unaudited)**

## 1.0 FINANCIAL TRENDS

Financial trends information is intended to assist users in understanding and assessing how the System's financial position has changed over time. There are four tables presented in this section.

**TABLE 1.1 - NET POSITION BY COMPONENT (a) - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	Restated 2014	2013	Restated 2012	2011
Net investment in capital assets	\$ 892,414,328	\$ 843,276,715	778,825,722	769,135,097	722,703,848
Restricted	66,038,662	43,116,468	44,113,954	51,055,374	93,427,366
Unrestricted	66,651,531	100,358,086	147,119,567	116,578,189	81,180,178
Total net position	\$1,025,104,521	\$ 986,751,269	970,059,243	936,768,660	897,311,392

	Fiscal Year				
	2010	2009	2008	2007	2006
Net investment in capital assets	748,697,093	\$ 757,858,955	757,799,128	789,479,735	786,263,108
Restricted	44,371,666	35,945,622	28,251,270	46,489,817	57,514,949
Unrestricted	76,855,173	84,277,881	109,530,192	61,756,541	61,442,481
Total net position	869,923,932	\$ 878,082,458	895,580,590	897,726,093	905,220,538

Source: Fairfax County Wastewater Management Program

Notes:

(a) Certain amounts for fiscal years 2012 and 2014 have been reclassified and/or adjusted for comparability and/or to retroactively reflect accounting changes made during this period. 2012 was related to GASB 65 and 2014 was related to GASB 68.

Unaudited - see accompanying accountants' report.

**TABLE 1.2 - CHANGES IN NET POSITION (a) - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Operating revenues:</b>					
Sales of service	\$ 187,538,854	\$ 188,168,475	173,553,631	159,957,639	142,929,404
<b>Operating expenses:</b>					
Personnel services	26,416,320	27,576,508	25,607,805	24,735,872	24,162,541
Materials and supplies	14,063,157	15,635,981	13,238,456	13,974,834	11,429,228
Contractual services	51,342,024	47,658,923	47,167,159	46,236,052	48,655,804
Depreciation and amortization	58,046,612	55,558,575	54,358,299	52,429,103	47,130,698
Professional fees and other	490,055	240,007	427,705	508,080	509,330
Total operating expenses	\$ 150,358,168	\$ 146,669,994	140,799,424	137,883,941	131,887,601
Operating income (loss)	37,180,686	41,498,481	32,754,207	22,073,698	11,041,803
<b>Nonoperating revenues (expenses):</b>					
Availability charges	21,689,013	24,007,197	20,477,318	28,959,575	11,189,312
Investment earnings	780,354	484,332	1,409,377	521,755	1,084,587
Interest expense	(23,677,340)	(26,960,382)	(28,052,165)	(25,227,137)	(25,300,800)
Amortization of bond issuance costs	-	(343,229)	(699,561)	(1,083,241)	(45,476)
Amortization of deferred amounts on refundings	(945,079)	(994,404)	151,242	229,931	229,931
Gain (loss) on disposal of capital assets	48,459	122,334	187,421	8,481	14,748
Total nonoperating revenues (expenses)	\$ (2,104,593)	\$ (3,684,152)	(6,526,368)	3,409,364	(12,827,698)
Loss before contributions and special item	35,076,093	37,814,329	26,227,839	25,483,062	(1,785,895)
<b>Capital contributions:</b>					
Grants from the Commonwealth	900,914	591,814	1,107,952	10,270,459	3,700,000
Federal Stimulus	-	-	-	-	4,525,425
From Fairfax County	-	-	-	-	-
From developers	2,376,245	3,482,762	5,954,792	3,703,747	4,160,045
<b>Special items:</b>					
Gain on sale of purchased capacity	-	-	-	-	16,787,885
Change in net position	\$ 38,353,252	\$ 41,888,905	33,290,583	39,457,268	27,387,460

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Certain amounts for fiscal year 2012 have been reclassified and/or adjusted for comparability and/or to retroactively reflect accounting changes made during this period.

Unaudited - see accompanying accountants' report.

	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Operating revenues:</b>					
Sales of service	126,681,734	\$ 108,723,096	100,297,089	95,943,712	87,213,834
<b>Operating expenses:</b>					
Personnel services	23,131,023	22,907,919	21,569,257	20,542,951	19,823,094
Materials and supplies	11,636,425	13,774,422	11,975,303	11,464,005	11,976,080
Contractual services	47,468,305	47,861,675	45,869,419	41,209,777	40,227,839
Depreciation and amortization	46,680,568	45,575,080	45,701,515	45,846,313	45,412,396
Professional fees and other	876,238	762,872	456,078	446,152	677,658
Total operating expenses	129,792,559	\$ 130,881,968	125,571,572	119,509,198	118,117,067
Operating income (loss)	(3,110,825)	(22,158,872)	(25,274,483)	(23,565,486)	(30,903,233)
<b>Nonoperating revenues (expenses):</b>					
Availability charges	10,668,539	11,461,530	13,909,729	19,513,484	36,144,561
Investment earnings	1,303,897	2,301,005	5,127,079	5,825,962	4,449,036
Interest expense	(25,929,969)	(18,309,964)	(17,224,651)	(17,650,673)	(18,138,416)
Amortization of bond issuance costs	(45,476)	(18,729)	(16,294)	(16,294)	(16,294)
Amortization of deferred amounts on refundings	229,931	229,931	229,931	229,931	235,922
Gain (loss) on disposal of capital assets	47,503	46,048	60,674	31,481	(27,923)
Total nonoperating revenues (expenses)	(13,725,575)	\$ (4,290,179)	2,086,468	7,933,891	22,646,886
Loss before contributions and special item	(16,836,400)	(26,449,051)	(23,188,015)	(15,631,595)	(8,256,347)
<b>Capital contributions:</b>					
Grants from the Commonwealth	4,100,498	-	253,030	351,247	-
Federal Stimulus	1,974,575	-	-	-	-
From County	78,301	-	-	-	-
From developers	2,524,500	8,950,919	9,834,910	7,785,903	5,888,926
<b>Special items:</b>					
Cost of Purchased Capacity disposed	-	-	10,954,572	-	-
Change in net position	(8,158,526)	\$ (17,498,132)	(2,145,503)	(7,494,445)	(2,367,421)

Unaudited - see accompanying accountants' report.

**TABLE 1.3 - OPERATING REVENUES DETAIL - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Sewer service:</b>					
County connections	\$ 176,558,827	\$ 176,471,310	163,052,021	148,891,691	134,050,981
City of Fairfax	1,667,693	2,158,338	1,702,234	3,162,214	1,766,899
Town of Herndon	3,229,858	3,758,078	2,992,525	3,193,471	2,796,632
Arlington County	705,557	540,121	538,464	566,991	632,042
Fort Belvoir	2,189,831	2,431,455	2,429,616	1,842,643	1,440,178
City of Falls Church	1,049,188	1,022,967	921,702	1,030,951	1,055,703
Town of Vienna	467,888	455,670	650,817	451,532	452,817
Other (a)	755,256	563,866	651,188	348,552	390,641
<b>Other services</b>	914,756	766,670	615,064	469,594	343,511
<b>Total operating revenues</b>	<b>\$ 187,538,854</b>	<b>\$ 188,168,475</b>	<b>173,553,631</b>	<b>159,957,639</b>	<b>142,929,404</b>

	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Sewer service:</b>					
County connections	117,550,994	\$ 100,493,512	92,095,867	87,893,949	79,966,998
City of Fairfax	2,327,558	1,886,339	1,902,188	2,095,041	1,902,214
Town of Herndon	2,508,622	2,221,125	2,147,874	2,302,247	2,007,822
Arlington County	662,576	657,186	564,330	440,374	550,118
Fort Belvoir	1,617,140	1,285,825	1,245,801	1,242,398	916,342
City of Falls Church	887,498	1,242,233	1,166,939	1,070,659	1,085,477
Town of Vienna	589,075	453,261	405,636	477,315	458,961
Other (a)	296,331	293,946	290,664	242,803	109,232
<b>Other services</b>	241,940	189,669	477,790	178,926	216,670
<b>Total operating revenues</b>	<b>126,681,734</b>	<b>\$ 108,723,096</b>	<b>100,297,089</b>	<b>95,943,712</b>	<b>87,213,834</b>

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Other sewer service revenues include revenues from Fairfax Water and the County's solid waste resource recovery facility.

Unaudited - see accompanying accountants' report.

**TABLE 1.4 - OPERATING EXPENSES DETAIL - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Wastewater treatment expenses (a):</b>					
Noman M. Cole, Jr.	\$ 18,425,015	\$ 19,931,898	19,605,159	20,088,669	19,682,549
Alexandria Renew Enterprises	13,380,703	13,133,545	12,786,521	12,836,900	13,221,642
DCWASA Blue Plains	15,016,549	11,815,951	13,214,346	13,257,118	13,492,628
Upper Occoquan Sewage Authority	12,687,555	12,276,384	12,635,433	12,045,467	13,187,574
Arlington County	2,711,644	2,225,036	2,174,228	2,224,503	1,700,523
City of Falls Church Sewer	664,936				
Other (b)	1,074,445	496,374	530,959	497,634	608,470
Total wastewater treatment expenses	63,960,847	59,879,188	60,946,646	60,950,291	61,893,386
<b>Other operating expenses:</b>					
Pumping, collection, and inspection	13,512,902	13,280,579	13,759,928	13,445,481	12,573,304
System repairs and renovations	260,030	115,557	280,341	500,654	348,716
Planning, engineering, and monitoring support	8,771,586	10,240,019	5,655,443	5,305,778	3,845,246
Billing and bill collection	5,806,191	7,596,076	5,798,767	5,252,634	6,096,251
Depreciation and amortization	58,046,612	55,558,575	54,358,299	52,429,103	47,130,698
Total operating expenses	\$ 150,358,168	\$ 146,669,994	140,799,424	137,883,941	131,887,601

	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Wastewater treatment expenses (a):</b>					
Noman M. Cole, Jr.	19,246,868	\$ 21,300,335	18,933,101	18,155,049	19,221,705
Alexandria Renew Enterprises	13,840,642	14,170,985	14,125,041	13,336,025	13,595,553
DCWASA Blue Plains	12,279,110	12,516,382	11,868,018	9,279,874	9,051,453
Upper Occoquan Sewage Authority	12,944,970	13,171,944	12,634,484	12,233,492	11,015,818
Arlington County	1,607,662	1,595,998	1,502,058	1,634,568	1,391,823
Other (b)	560,153	672,775	393,200	164,410	169,006
Total wastewater treatment expenses	60,479,405	63,428,419	59,455,902	54,803,418	54,445,358
<b>Other operating expenses:</b>					
Pumping, collection, and inspection	12,909,408	13,034,159	12,316,625	11,423,464	11,325,450
System repairs and renovations	537,236	611,624	926,450	566,103	621,792
Planning, engineering, and monitoring support	3,520,455	3,110,606	2,819,735	2,875,051	2,218,746
Billing and bill collection	5,665,487	5,122,080	4,351,345	3,994,849	4,093,325
Depreciation and amortization	46,680,568	45,575,080	45,701,515	45,846,313	45,412,396
Total operating expenses	129,792,559	\$ 130,881,968	125,571,572	119,509,198	118,117,067

Source: Fairfax County Wastewater Management Program

Notes:

(a) Wastewater treatment expenses are direct operating expenses, excluding depreciation and amortization.

(b) Other plants include Harbor View and Prince William County Service Authority.



## 2.0 REVENUE CAPACITY

Revenue capacity information is intended to assist users in understanding and assessing the factors affecting the System's ability to generate its own-source revenues. There are six tables presented in this section.

**TABLE 2.1 - SEWER RATE STRUCTURE (a) - LAST TEN FISCAL YEARS**

Fiscal Year	Availability Charge (b) (Per Unit)			Retail Sewer Service Charge (c) (Per 1,000 gallons)	Retail Residential Sewer Service Base Charge (d) (Per Bill)
	Single Family Residence	Townhouse/ Apartment	Commercial Fixture		
2015	\$ 7,750	6,200	401	6.62	15.86
2014	7,750	6,200	401	6.55	12.79
2013	7,750	6,200	401	6.55	5.50
2012	7,750	6,200	401	6.01	5.00
2011	7,750	6,200	401	5.27	5.00
2010	7,310	5,848	378	4.50	5.00
2009	6,896	5,517	357	4.10	
2008	6,506	5,205	337	3.74	
2007	6,138	4,910	318	3.50	
2006	5,874	4,699	304	3.28	

**Connection Charge (e)** - Effective July 1, 2011, the rate was increased to \$152.50 per foot. Prior to this date, the rate was \$6.00 per foot since december 1970.

**Lateral Spur Charge (f)** - The rate has been \$600 per spur connection since March 1981.

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Sewer rates are established by the Board of Supervisors pursuant to Chapter 67.1 of the County Code. Rates and code language are reviewed annually by the County staff as part of the County's annual long-range planning and short-term budgeting process and revised as necessary. These rates are in effect for County customers only. Customers outside the County are billed subject to sale of service agreements.
- (b) Availability Charge - This is a one-time charge collected from all new customers prior to connection to the System to cover in part the new customer's proportionate cost of System facilities beyond the collector system. Residential units pay on a per unit basis. Commercial units pay an equivalent residential (single family residence) unit fee for the first 19 plumbing fixture units, then on a per fixture unit basis for any fixture units in excess of the residential equivalent amount.
- (c) Retail Sewer Service Charge - Single family residences and townhouses are billed sewer service charges quarterly based on water consumption from the previous winter quarter. Apartment and nonresidential complexes are billed based on consumption used during the billing period. These charges are collected by three water billing agents: Fairfax Water; the City of Falls Church; and the Town of Vienna.
- (d) Beginning in FY 2010, a base charge of \$5.00 per bill is assessed, in addition to the sewer service charge, to partially recover fixed expenses for billing, wastewater collection, engineering, planning, and administrative expenses.
- (e) Connection Charge - Frequently called the front footage charge, this is a one-time charge collected from new customers prior to connection to the System as a partial repayment of County installed collector sewers.
- (f) Lateral Spur Charge - This is a one-time charge that applies only to those new customers who are connecting to County installed sanitary sewers where the lateral spurs have been installed at County expense.

Unaudited - see accompanying accountants' report.



**TABLE 2.2 - CUSTOMER BASE BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	149,344	149,172	148,734	147,998	147,478
DCWASA Blue Plains	88,325	88,139	87,841	87,551	87,406
Alexandria Renew Enterprises	68,293	68,207	68,035	67,805	67,229
Upper Occoquan Sewage Authority	49,351	49,288	49,239	49,188	49,109
Arlington County	10,675	10,664	10,650	10,644	10,639
Other (a)	369	368	367	357	348
Customer base	366,357	365,838	364,866	363,543	362,209

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	146,810	144,407	143,900	143,040	140,569
DCWASA Blue Plains	86,575	85,937	85,197	83,874	81,446
Alexandria Renew Enterprises	67,069	66,278	65,448	65,088	63,938
Upper Occoquan Sewage Authority	48,889	48,796	48,647	48,058	46,732
Arlington County	10,623	10,445	9,947	9,917	9,893
Other (a)	345	342	339	334	326
Customer base	360,311	356,205	353,478	350,311	342,904

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Other service areas include Harbor View and Prince William County Service Authority. In addition, there are holding tank facilities in the Town of Clifton and Gunston Wiley.

Unaudited - see accompanying accountants' report.

**TABLE 2.3 - CUSTOMER BASE BY SERVICE CLASS - LAST TEN FISCAL YEARS**

<b>Service Class</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
<b>Residential units:</b>					
Single family	164,418	164,021	163,266	162,671	162,264
Multi-family	96,226	96,212	96,207	96,177	95,649
Townhouse	77,549	77,469	77,301	77,019	76,885
Total residential units	338,193	337,702	336,774	335,867	334,798
<b>Nonresidential units (a)</b>	28,164	28,136	28,092	27,676	27,411
Total customer base	366,357	365,838	364,866	363,543	362,209

<b>Service Class</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
<b>Residential units:</b>					
Single family	161,777	161,271	160,681	159,907	158,515
Multi-family	95,476	94,872	94,123	93,140	90,197
Townhouse	76,811	76,698	76,532	76,329	75,880
Total residential units	334,064	332,841	331,336	329,376	324,592
<b>Nonresidential units (a)</b>	26,247	23,364	22,142	20,935	18,312
Total customer base	360,311	356,205	353,478	350,311	342,904

Source: Fairfax County Wastewater Management Program

Notes:

(a) Nonresidential units include long-term care, dorms, and extended-stay rooms.

Unaudited - see accompanying accountants' report.

**TABLE 2.4 - NUMBER OF SEWER CONNECTIONS SOLD (a) - LAST TEN FISCAL YEARS**

Service Class	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Residential units:</b>					
Single family	189	168	242	299	260
Multi-family	1,608	2,571	1,580	3,176	630
Townhouse	195	84	218	146	108
Total residential units	1,992	2,823	2,040	3,621	998
<b>Nonresidential units (b)</b>	19	571	121	559	12
Total sewer connections sold	2,011	3,394	2,161	4,180	1,010
<b>Additional commercial fixture units sold</b>	12,898	12,463	17,856	12,147	11,628

Service Class	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Residential units:</b>					
Single family	290	305	321	401	804
Multi-family	704	501	1,026	1,705	1,708
Townhouse	96	131	146	207	257
Total residential units	1,090	937	1,493	2,313	2,769
<b>Nonresidential units (b)</b>	8	20	847	810	54
Total sewer connections sold	1,098	957	2,340	3,123	2,823
<b>Additional commercial fixture units sold</b>	10,132	11,518	13,076	20,307	18,710

Source: Fairfax County Wastewater Management Program

Notes:

(a) The number of sewer connections sold include only County customers. Availability fees are generated by sewer connections sold. See Table 2.1 for the rate structure.

(b) Nonresidential units include long-term care, dorms and extended-stay rooms.

Unaudited - see accompanying accountants' report.

**TABLE 2.5 - NUMBER OF NEW SEWER CONNECTIONS - LAST TEN FISCAL YEARS**

<b>Service Class</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
<b>Residential units:</b>					
Single family	397	755	595	407	487
Multi-family	14	5	30	528	173
Townhouse	80	168	282	134	74
Total residential units	491	928	907	1,069	734
<b>Nonresidential units (a)</b>	28	44	416	265	1,164
Total new sewer connections	519	972	1,323	1,334	1,898

<b>Service Class</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
<b>Residential units:</b>					
Single family	506	590	774	1,398	656
Multi-family	604	749	983	2,935	187
Townhouse	113	166	203	451	545
Total residential units	1,223	1,505	1,960	4,784	1,388
<b>Nonresidential units (a)</b>	2,883	1,222	1,207	2,623	126
Total new sewer connections	4,106	2,727	3,167	7,407	1,514

Source: Fairfax County Wastewater Management Program

Notes:

(a) Nonresidential units include long-term care, dorms and extended-stay rooms.

Unaudited - see accompanying accountants' report.

**TABLE 2.6 - TEN LARGEST CUSTOMERS - CURRENT YEAR AND NINE YEARS AGO**

Fiscal Year 2015				Fiscal Year 2006		
Name	Annual Revenues	Rank	Percentage of Total Operating Revenues	Annual Revenues	Rank	Percentage of Total Operating Revenues
INOVA Fairfax Hospital	\$ 619,911	1	0.33 %	296,859	1	0.34 %
Greenspring Village	466,938	2	0.25	-	-	-
Reston Hospital Center	234,339	3	0.12	93,690	6	0.11
Montebello Condo Unit	228,350	4	0.12	-	-	-
Homart Development Corp.	203,416	5	0.11	-	-	-
Ritz-Carlton Hotel Co.	167,853	6	0.09	122,971	4	0.14
McLean Hilton Hotel Assoc.	146,292	7	0.08	80,661	8	0.09
INOVA Health Systems - Fair Oaks Hospital	145,961	8	0.08	-	-	-
BECO Management	141,232	9	0.08	-	-	-
Hyatt Regency Reston	140,239	10	0.07	98,727	5	0.11
Tyson Corner Property Holdings LLC	-	-	-	141,136	2	0.16
Shenandoah's Pride Dairy	-	-	-	140,351	3	0.16
Rolling Fullerton	-	-	-	82,906	7	0.10
Marriott Westfields	-	-	-	74,730	9	0.09
Fairview Park Marriott	-	-	-	71,898	10	0.08
Totals	\$ 2,494,531		1.33 %	\$ 907,070		1.04 %

Source: Fairfax County Wastewater Management Program

Unaudited - see accompanying accountants' report.



### 3.0 DEBT CAPACITY

Debt capacity information is intended to assist users in understanding and assessing the System's debt burden and its ability to issue additional debt. There are three tables in this section.

**TABLE 3.1 - RATIOS OF OUTSTANDING DEBT - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Senior debt:</b>					
2014 Sewer Revenue Bonds	\$ 61,755,000	\$ 61,755,000			
2012 Sewer Revenue Bonds	87,795,000	89,270,000	105,418,040	-	-
2009 Sewer Revenue Bonds	139,415,000	142,220,000	152,057,153	147,430,000	149,875,000
2004 Sewer Revenue Refunding Bonds	-	3,335,000	77,950,428	79,280,000	82,215,000
1996 Sewer Revenue Bonds	-	-	-	-	-
1993 Sewer Revenue Refunding Bonds	-	-	-	-	-
Total senior debt	\$ 288,965,000	\$ 296,580,000	335,425,621	226,710,000	232,090,000
<b>Subordinate debt:</b>					
Upper Occoquan Sewage Authority Bonds	265,680,629	277,293,041	283,269,711	273,056,094	276,062,972
Virginia Resource Authority Bonds	37,440,694	42,671,739	47,781,987	52,487,594	56,946,896
Total subordinate debt	\$ 303,121,323	\$ 319,964,780	331,051,698	325,543,688	333,009,868
Total outstanding debt	\$ 592,086,323	\$ 616,544,780	666,477,319	552,253,688	565,099,868
<b>Outstanding Debt Ratios:</b>					
Per capita (a)	\$ 520	545	596	493	522
Percent of personal income (a)	0.73%	0.76%	0.87%	0.78%	0.73%
Per connection (b)	\$ 1,616	\$ 1,685	1,827	1,519	1,560
To operating revenues (c)	\$ 3.16	\$ 3.28	3.84	3.45	3.95

	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Senior debt:</b>					
2014 Sewer Revenue Bonds					
2012 Sewer Revenue Bonds	-	-	-	-	-
2009 Sewer Revenue Bonds	152,255,000	\$ 152,255,000	-	-	-
2004 Sewer Revenue Refunding Bonds	85,050,000	87,790,000	90,435,000	92,995,000	93,495,000
1996 Sewer Revenue Bonds	-	-	-	-	1,925,000
1993 Sewer Revenue Refunding Bonds	-	-	-	-	-
Total senior debt	237,305,000	\$ 240,045,000	90,435,000	92,995,000	95,420,000
<b>Subordinate debt:</b>					
Upper Occoquan Sewage Authority Bonds	248,240,949	253,660,620	258,823,549	209,858,982	214,533,963
Virginia Resource Authority Bonds	61,236,896	65,364,033	69,334,502	73,154,261	76,829,041
Total subordinate debt	309,477,845	\$ 319,024,653	328,158,051	283,013,243	291,363,004
Total outstanding debt	546,782,845	\$ 559,069,653	418,593,051	376,008,243	386,783,004
<b>Outstanding Debt Ratios:</b>					
Per capita (a)	509	\$ 532	402	362	374
Percent of personal income (a)	0.71%	0.75%	0.59%	0.56%	0.61%
Per connection (b)	1,518	\$ 1,570	1,184	1,073	1,128
To operating revenues (c)	4.32	\$ 5.14	4.17	3.92	4.43

Source: Fairfax County Wastewater Management Program

Notes:

- (a) See Table 4.1 for population and personal income data. Ratios are based on the population and personal income data as of the prior calendar year.
- (b) See Tables 2.2 and 2.3 for customer base data.
- (c) See Table 1.3 for operating revenue data.
- (d) For FY2006 - 2015, amounts for bonds are reported gross, excluding premiums and/or discounts and deferred amounts on refundings.



**TABLE 3.2 - PLEDGED REVENUE COVERAGE - LAST TEN FISCAL YEARS**

Fiscal Year	Gross Revenues (a)	Operating Expenses (b)	Net Revenue Available for Debt Service	Debt Service Requirements (e)			Debt Coverage (f)		
				Senior Debt (c)	Subordinate Debt (d)	Total	Senior	Total	
								w/AF	w/o AF
2015	\$ 210,056,680	92,311,556	117,745,124	20,524,756	26,194,733	46,719,489	5.74	2.52	2.05
2014	212,782,338	91,111,419	121,670,919	21,889,744	26,107,036	47,996,780	5.56	2.53	2.03
2013	195,627,747	86,441,125	109,186,622	18,153,551	26,155,106	44,308,657	6.01	2.46	2.00
2012	189,447,450	85,454,838	103,992,612	16,334,719	25,528,010	41,862,729	6.37	2.48	1.79
2011	155,218,051	84,756,903	70,461,148	16,322,531	24,910,740	41,233,271	4.32	1.71	1.44
2010	138,701,673	83,111,991	55,589,682	10,881,182	24,297,131	35,178,313	5.11	1.58	1.28
2009	122,531,678	85,306,888	37,224,790	6,644,456	23,022,158	29,666,614	5.60	1.25	0.87
2008	119,394,571	79,870,054	39,524,517	6,637,531	21,745,381	28,382,912	5.95	1.39	0.90
2007	121,314,639	73,662,889	47,651,750	6,602,572	21,744,580	28,347,152	7.22	1.68	0.99
2006	127,779,508	72,704,671	55,074,837	6,617,769	21,320,672	27,938,441	8.32	1.97	0.68

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Gross revenues include all revenues, except amortization of deferred gains on bond refundings.
- (b) Operating expenses do not include depreciation and amortization.
- (c) Senior debt includes sewer revenue bonds issued by the System and the System's share of debt of the Alexandria Sanitation Authority.
- (d) Subordinate debt is paid after senior debt and operating expenses and includes debt service on the System's share of debt of UOSA Revenue Bonds and VRA Revenue Bonds.
- (e) The same resources are used for all debt service requirements. See Table 3.3 for details of principal and interest amounts.
- (f) The minimum senior debt service coverage should be no less than 1.25 times. The Sewer Fund changed the minimum senior debt coverage to 2.0 times in FY 2011. The Sewer Fund surpassed its total debt coverage of 1.25 times, without availability fee (AF) revenue, by FY 2014.

Unaudited - see accompanying accountants' report.

**TABLE 3.3 - DEBT SERVICE REQUIREMENTS - LAST TEN FISCAL YEARS**

	Fiscal Year				
	2015	2014	2013	2012	2011
<b>Senior debt:</b>					
2014 Sewer Revenue Bonds	\$ 1,901,681	-	-	-	-
2012 Sewer Revenue Bonds	5,554,675	\$ 5,556,200	1,801,401	-	-
2009 Sewer Revenue Bonds	9,650,025	9,651,900	9,652,150	9,651,213	9,652,475
2004 Sewer Revenue Refunding Bonds	3,418,375	6,681,644	6,700,000	6,683,506	6,670,056
Total senior debt	\$ 20,524,756	\$ 21,889,744	18,153,551	16,334,719	16,322,531
<b>Subordinate debt:</b>					
Upper Occoquan Sewage Authority Bonds	19,991,456	19,903,758	19,734,931	18,890,938	18,303,668
Virginia Resource Authority Bonds	6,203,277	6,203,278	6,420,175	6,637,073	6,637,073
Total subordinate debt	\$ 26,194,733	\$ 26,107,036	26,155,106	25,528,011	24,940,741
Total debt service requirements	\$ 46,719,489	\$ 47,996,780	44,308,657	41,862,730	41,263,272

	Fiscal Year				
	2010	2009	2008	2007	2006
<b>Senior debt:</b>					
2012 Sewer Revenue Bonds	-	-	-	-	-
2009 Sewer Revenue Bonds	4,222,501	-	-	-	-
2004 Sewer Revenue Refunding Bonds	6,658,681	\$ 6,644,456	6,637,531	4,623,431	4,648,581
1996 Sewer Revenue Bonds	-	-	-	1,979,141	1,969,188
Total senior debt	10,881,182	\$ 6,644,456	6,637,531	6,602,572	6,617,769
<b>Subordinate debt:</b>					
Upper Occoquan Sewage Authority Bonds	17,660,059	16,385,086	15,108,309	15,107,508	14,683,600
Virginia Resource Authority Bonds	6,637,073	6,637,072	6,637,072	6,637,072	6,637,072
Total subordinate debt	24,297,132	\$ 23,022,158	21,745,381	21,744,580	21,320,672
Total debt service requirements	35,178,314	\$ 29,666,614	28,382,912	28,347,152	27,938,441

Source: Fairfax County Wastewater Management Program

## 4.0 DEMOGRAPHIC AND ECONOMIC INFORMATION

Demographic and economic information is intended to assist users in understanding the socioeconomic environment within which a government entity operates and to provide information that facilitates comparisons of financial statement information over time and among governments. There are two tables presented in this section.

**TABLE 4.1 - DEMOGRAPHIC AND ECONOMIC STATISTICS - LAST TEN CALENDAR YEARS**

Calendar Year	County Population		Personal Income (c) (000s)	Per Capita Personal Income (c)	Unemployment Rate (d)
	Total (a)	On County Sewer (b)			
2014	1,137,538	938,245	\$ 81,620,627	\$ 71,752	3.5 %
2013	1,130,924	935,435	80,982,075	71,607	3.7
2012	1,118,602	932,864	77,012,392	68,847	4.3
2011	1,100,692	930,350	71,145,429	64,637	4.2
2010	1,081,726	912,000	72,577,324	67,094	4.9
2009	1,074,227	878,170	74,380,758	71,982	4.8
2008	1,050,315	874,200	74,385,409	70,822	3.4
2007	1,041,507	873,500	70,500,650	67,691	2.2
2006	1,037,311	865,232	67,111,947	64,698	2.2
2005	1,033,646	852,030	63,917,568	61,837	2.5

Notes:

- (a) Total population data includes the Cities of Fairfax and Falls Church and is obtained from U.S. Census Bureau's American Fact Finder.
- (b) Population data for those on County Sewer is obtained from the Fairfax County Wastewater Management Program.
- (c) Personal income data is obtained from the Bureau of Economic Analysis, U.S. Department of Commerce and includes the Cities of Fairfax and Falls Church. Data for only Fairfax County is not available, however, it is believed that the inclusion of these Cities does not significantly affect the County's data. Fairfax County data for 2013 is estimated using percent change in per capita personal income from 2011 to 2012.
- (d) Unemployment rates are obtained from the Virginia Employment Commission, Annual Unemployment Statistics for the calendar year, not seasonally adjusted. The previously reported estimated figures for the most recent prior year have been updated to reflect the final reported figures from the Commission.

Unaudited - see accompanying accountants' report.

**TABLE 4.2 - PRINCIPAL EMPLOYERS - CURRENT YEAR AND NINE YEARS AGO**

Employer	Fiscal Year 2015 (1)			Fiscal Year 2006		
	Number of Employees (2)	Rank	Pct. of Total County Employment (3)	Number of Employees (2)	Rank	Pct. of Total County Employment
Fairfax County Public Schools	24,181	1	3.81 %	22,562	1	3.95
Federal Government	23,634	2	3.73	12,517	2	2.19
Fairfax County Government	12,326	3	1.94	10,999	3	1.92
Inova Health System	7,000-10,000	4	1.34	9,000-10,000	4	1.84
George Mason University	5,000-10,000	5	1.18	-	-	-
Booz-Allen Hamilton	4,000-6,999	6	0.87	8,000-9,000	5	1.49
Federal Home Loan Mortgage	4,000-6,999	7	0.87	4,000-5,000	10	0.79
General Dynamics	4,000-6,999	8	0.87	2,000-3,000	-	0.44
Northrup Grumman	4,000-6,999	9	0.87	8,000-9,000	6	1.49
Science Applications International Corporation (4)	4,000-6,999	10	0.87	6,000-7,000	7	1.14
The MITRE Corporation	1,000-3,999		0.39			
Computer Science Corporation	1,000-3,999		0.39			
Navy Federal Credit Union	1,000-3,999		0.39			
Totals			<u>17.52 %</u>			<u>15.25</u>

Source: Fairfax County Economic Development Authority (using Virginia Employment Commission data); Fairfax County Public Schools; Fairfax County Department of Management and Budget

Notes:

- (1) Employment information for fiscal year 2015 excluding data from Fairfax County Government and Fairfax County Public Schools, is from the 1st quarter of calendar year 2015 VEC. Employment information for fiscal year 2006 is from 2006 CAFR.
- (2) Employment estimates for separate facilities of the same firm have been combined to create company totals. Employment ranges for the private sector are given to ensure confidentiality.
- (3) Percentages are based on the midpoint of the employment range. Average total County employment for fiscal year 2015 is estimated at 634,272, based on Business Vital Statistics of the Fairfax Economic Development Authority. Average total County employment for fiscal year 2006 was estimated at 571,401.
- (4) Science Applications International Corporation employment reported prior to the September 2013 split into two independent companies (SAIC and Leidos).

Unaudited - see accompanying accountants' report.

## 5.0 OPERATING INFORMATION

Operating information is intended to provide contextual information about a government entity's operations and resources to assist readers in using financial statement information to understand and assess a government entity's economic condition. There are nine tables presented in this section.

**TABLE 5.1 - WASTEWATER MANAGEMENT EMPLOYEES BY DIVISION (a) - LAST TEN FISCAL YEARS**

Division	Fiscal Year				
	2015	2014	2013	2012	2011
Planning & Administration	35	35	25	25	25
Laboratory	19	19	21	21	21
Collection	132	132	140	140	140
Treatment	129	129	135	135	135
Total	315	315	321	321	321

Division	Fiscal Year				
	2010	2009	2008	2007	2006
Planning & Administration	25	25	26	23	23
Laboratory	21	21	19	19	20
Collection	140	140	141	142	144
Treatment	135	135	135	144	144
Total	321	321	321	328	331

Source: Fairfax County Wastewater Management Program

Notes:

(a) Number of employees represent full time equivalents as of June 30.

Unaudited - see accompanying accountants' report.



**TABLE 5.2 - TREATMENT PLANT CAPACITIES (MGD) - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	67.00	67.00	67.00	67.00	67.00
DCWASA Blue Plains	31.00	31.00	31.00	31.00	31.00
Alexandria Renew Enterprises	32.40	32.40	32.40	32.40	32.40
Upper Occoquan Sewage Authority	22.60	22.60	22.60	22.60	22.60
Arlington County	3.00	3.00	3.00	3.00	3.00
Loudoun Water	1.00	1.00	1.00	1.00	1.00
Other (a)	0.18	0.18	0.18	0.18	0.18
<b>Treatment plant capacity</b>	<b>157.18</b>	<b>157.18</b>	<b>157.18</b>	<b>157.18</b>	<b>157.18</b>

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	67.00	67.00	67.00	67.00	67.00
DCWASA Blue Plains	31.00	31.00	31.00	31.00	31.00
Alexandria Renew Enterprises	32.40	32.40	32.40	32.40	32.40
Upper Occoquan Sewage Authority	24.60	24.60	24.60	27.60	27.60
Arlington County	3.00	3.00	3.00	3.00	3.00
Other (a)	0.18	0.18	0.18	0.18	0.18
<b>Treatment plant capacity</b>	<b>158.18</b>	<b>158.18</b>	<b>158.18</b>	<b>161.18</b>	<b>161.18</b>

Source: Fairfax County Wastewater Management Program

Notes:

(a) Other plants include Harbor View and Prince William County Service Authority.

Unaudited - see accompanying accountants' report.

**TABLE 5.3 - AVERAGE WASTEWATER FLOWS (MGD) BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	38.36	39.77	37.56	39.91	38.59
DCWASA Blue Plains	28.17	29.98	28.39	29.31	28.65
Alexandria Renew Enterprises	16.39	19.07	17.66	18.93	18.57
Upper Occoquan Sewage Authority	12.76	13.53	12.50	12.60	12.54
Arlington County	2.04	1.96	1.96	2.00	2.02
Loudoun Water	0.00	0.00	0.00	0.00	0.00
Other (a)	0.03	0.03	0.02	0.04	0.03
<b>Total system flow</b>	<b>97.75</b>	<b>104.34</b>	<b>98.09</b>	<b>102.79</b>	<b>100.40</b>

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	42.04	41.12	40.53	42.80	41.55
DCWASA Blue Plains	29.65	28.05	26.67	29.37	27.26
Alexandria Renew Enterprises	20.81	16.90	17.04	20.03	19.07
Upper Occoquan Sewage Authority	13.14	12.44	12.61	12.94	12.49
Loudoun Water	2.02	1.98	0.00	0.00	0.00
Arlington County	0.00	0.00	1.95	2.04	2.02
Other (a)	0.07	0.07	0.04	0.03	0.03
<b>Total system flow</b>	<b>107.73</b>	<b>100.56</b>	<b>98.84</b>	<b>107.21</b>	<b>102.42</b>

Source: Fairfax County Wastewater Management Program

Notes:

(a) Other plants include Harbor View and Prince William County Service Authority.

Unaudited - see accompanying accountants' report.

**TABLE 5.4 - AVERAGE WASTEWATER FLOWS (MGD) BY SOURCE - LAST TEN FISCAL YEARS**

<b>Source</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
County connections	87.93	92.26	88.72	92.75	90.85
City of Fairfax	2.84	3.20	2.63	3.15	3.00
Town of Herndon	2.46	2.66	2.27	2.46	2.47
Arlington County	1.37	1.39	1.21	1.36	1.32
Fort Belvoir	1.13	2.70	1.30	1.05	0.90
City of Falls Church	0.89	0.98	0.94	0.99	0.93
Town of Vienna	0.77	0.86	0.73	0.82	0.73
Loudoun County	0.12	0.11	0.10	0.09	0.08
Other (a)	0.24	0.18	0.19	0.12	0.12
<b>Total system flow</b>	<b>97.75</b>	<b>104.34</b>	<b>98.09</b>	<b>102.79</b>	<b>100.40</b>

<b>Source</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
County connections	96.79	90.51	88.63	96.56	91.52
City of Fairfax	3.46	3.27	3.49	3.50	3.65
Town of Herndon	2.59	2.40	2.40	2.48	2.61
Arlington County	1.57	1.42	1.40	1.61	1.69
Fort Belvoir	1.16	1.07	1.12	1.12	1.02
City of Falls Church	1.12	1.04	1.02	1.02	1.08
Town of Vienna	0.86	0.67	0.61	0.82	0.77
Loudoun County	0.07	0.07	0.05	0.04	-
Other (a)	0.11	0.11	0.12	0.06	0.08
<b>Total system flow</b>	<b>107.73</b>	<b>100.56</b>	<b>98.84</b>	<b>107.21</b>	<b>102.42</b>

Source: Fairfax County Wastewater Management Program

Notes:

- (a) Other sources of wastewater include Fairfax Water and the County's solid waste resource recovery facility.

**TABLE 5.5 - MAXIMUM MONTHLY FLOWS (MGD) BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Recent Five Years</b>		<b>Past Ten Years</b>	
	<b>Flow</b>	<b>Month</b>	<b>Flow</b>	<b>Month</b>
Noman M. Cole, Jr.	49.65	Mar-10	50.19	May-08
DCWASA Blue Plains	34.75	May-14	34.75	May-14
Alexandria Renew Enterprises	26.72	Sep-11	26.72	Sep-11
Upper Occoquan Sewage Authority	15.60	Mar-15	15.96	May-08
Arlington County	2.21	Jun-15	2.33	Apr-05

Source: Fairfax County Wastewater Management Program

Unaudited - see accompanying accountants' report.

**TABLE 5.6 - AVERAGE UNUSED CAPACITY (MGD) BY TREATMENT PLANT (a) - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	28.64	27.23	29.44	27.09	28.41
DCWASA Blue Plains	2.83	1.02	2.60	1.69	2.35
Alexandria Renew Enterprises	16.01	13.33	14.73	13.47	13.83
Upper Occoquan Sewage Authority	9.83	9.07	10.10	10.00	10.06
Arlington County	0.97	1.04	1.04	1.00	0.98
Loudoun Water	1.00	1.00	1.00	1.00	1.00
Other (b)	0.15	0.15	0.15	0.14	0.15
<b>Total unused capacity</b>	<b>59.43</b>	<b>52.84</b>	<b>59.06</b>	<b>54.39</b>	<b>56.78</b>

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	24.96	25.88	26.47	24.20	25.45
DCWASA Blue Plains	1.35	2.95	4.33	1.63	3.75
Alexandria Renew Enterprises	11.59	15.50	15.37	12.37	13.33
Upper Occoquan Sewage Authority	11.46	12.16	11.99	14.66	15.11
Arlington County	0.98	1.02	1.06	0.96	0.98
Loudoun Water	-	-	0.00	0.00	0.00
Other (b)	0.11	0.11	0.14	0.15	0.15
<b>Total unused capacity</b>	<b>50.45</b>	<b>57.62</b>	<b>59.36</b>	<b>53.97</b>	<b>58.77</b>

Source: Fairfax County Wastewater Management Program

Notes:

(a) See Table 5.2 for treatment plant capacity.

(b) Other plants include Harbor View and Prince William County Service Authority.

Unaudited - see accompanying accountants' report.

**TABLE 5.7 - AVERAGE CAPACITY UTILIZATION (a) BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	57.25 %	59.36	56.06	59.57	57.60
DCWASA Blue Plains	90.87	96.71	91.61	94.55	92.42
Alexandria Renew Enterprises	50.59	58.86	54.53	58.43	57.31
Upper Occoquan Sewage Authority	56.46	59.87	55.49	55.75	55.49
Arlington County	68.00	65.33	67.33	66.67	67.33
Other (b)	16.67	16.11	16.67	22.22	16.67
<b>Total system capacity utilization</b>	<b>62.19 %</b>	<b>66.38</b>	<b>62.42</b>	<b>65.40</b>	<b>63.88</b>

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	62.75 %	61.37	60.50	63.88	62.02
DCWASA Blue Plains	95.65	90.48	86.02	94.74	87.92
Alexandria Renew Enterprises	64.23	52.16	52.58	61.82	58.87
Upper Occoquan Sewage Authority	53.41	50.57	``	46.88	45.24
Arlington County	67.33	66.00	64.83	68.00	67.47
Other (b)	38.89	38.89	20.00	15.56	15.56
<b>Total system capacity utilization</b>	<b>68.11 %</b>	<b>63.57</b>	<b>62.48</b>	<b>66.51</b>	<b>63.54</b>

Source: Fairfax County Wastewater Management Program

Notes:

(a) See Table 5.2 for treatment plant capacity.

(b) Other plants include Harbor View and Prince William County Service Authority.

Unaudited - see accompanying accountants' report.

**TABLE 5.8 - AVERAGE UNIT COST OF WASTEWATER TREATMENT (\$/MG) BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	\$ 1,542	1,509	1,551	1,379	1,367
DCWASA Blue Plains	1,460	1,080	1,275	1,239	1,290
Alexandria Renew Enterprises	2,237	1,887	1,983	1,858	1,950
Upper Occoquan Sewage Authority	2,701	2,486	2,769	2,620	2,880
Arlington County	3,642	3,110	3,039	3,050	2,305

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	1,254	\$1,419	1,268	1,162	1,267
DCWASA Blue Plains	1,135	1,223	1,210	962	910
Alexandria Renew Enterprises	1,822	2,296	2,246	1,823	1,953
Upper Occoquan Sewage Authority	2,699	2,902	2,725	2,597	2,417
Arlington County	2,178	2,204	2,106	2,180	1,884

Source: Fairfax County Wastewater Management Program

Unaudited - see accompanying accountants' report.



**TABLE 5.9 - CAPITAL ASSET STATISTICS - LAST TEN FISCAL YEARS**

<b>Fiscal Year</b>	<b>Treatment Plants (a)</b>		<b>Number of Pumping Stations</b>	<b>Number of Metering Stations</b>	<b>Miles of Sewer Pipe</b>
	<b>System-Owned</b>	<b>Purchased Capacity</b>			
2015	1	6	59	54	3,425
2014	1	6	59	54	3,420
2013	1	6	59	54	3,412
2012	1	6	65	54	3,398
2011	1	6	65	54	3,390
2010	1	5	65	54	3,380
2009	1	5	65	54	3,375
2008	1	5	65	54	3,353
2007	1	5	65	54	3,328
2006	1	5	65	54	3,306

Source: Fairfax County Wastewater Management Program

Notes:

- (a) The System owns one treatment plant, the Noman M. Cole, Jr. Plant, and has purchased capacity in treatment plants owned by other local jurisdictions - DC Water Blue Plains, Alexandria Renew Enterprises, Upper Occoquan Sewage Authority, Arlington County, Loudoun Water and Prince William County Service Authority.

Unaudited - see accompanying accountants' report.

## 6.0 MISCELLANEOUS INFORMATION

Miscellaneous information is additional information presented that may be of interest to readers of this report. There are two tables and a wastewater treatment plant service area map presented in this section.

**TABLE 6.1 - WASTEWATER FLOW (GPD) PER CAPITA BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Noman M. Cole, Jr.	100	103	98	104	106
DCWASA Blue Plains	128	135	129	133	137
Alexandria Renew Enterprises	94	109	101	108	112
Upper Occoquan Sewage Authority	104	108	100	101	106
Arlington County	75	71	71	72	77
<b>Total system flow per capita</b>	<b>105</b>	<b>112</b>	<b>105</b>	<b>110</b>	<b>114</b>
Annual rainfall, inches	41.63	48.57	39.65	46.83	40.67

<b>Treatment Plant</b>	<b>Fiscal Year</b>				
	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Noman M. Cole, Jr.	116	100	99	103	101
DCWASA Blue Plains	142	109	111	123	113
Alexandria Renew Enterprises	126	97	99	116	111
Upper Occoquan Sewage Authority	111	105	107	111	107
Arlington County	77	77	79	83	82
<b>Total system flow per capita</b>	<b>122</b>	<b>101</b>	<b>102</b>	<b>110</b>	<b>106</b>
Annual rainfall, inches	41.48	42.32	42.39	37.62	45.93

Source: Fairfax County Wastewater Management Program

Unaudited - see accompanying accountants' report.

**TABLE 6.2 - WASTEWATER FLOW (GPD) PER CONNECTION BY TREATMENT PLANT - LAST TEN FISCAL YEARS**

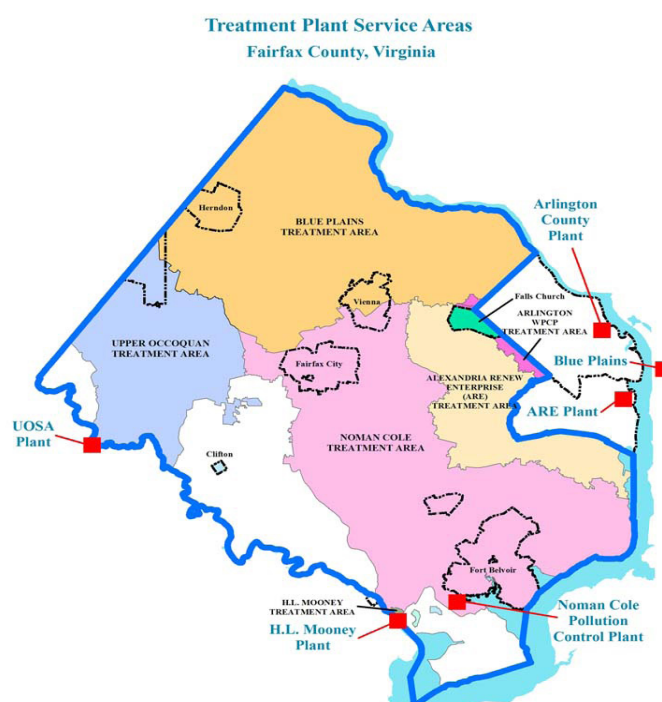
Treatment Plant	Fiscal Year				
	2015	2014	2013	2012	2011
Noman M. Cole, Jr.	257	267	253	269	262
DCWASA Blue Plains	319	340	323	335	328
Alexandria Renew Enterprises	240	280	260	279	276
Upper Occoquan Sewage Authority	261	275	254	256	255
Arlington County	191	184	184	188	190
Total system flow per connection	267	285	269	283	277

Treatment Plant	Fiscal Year				
	2010	2009	2008	2007	2006
Noman M. Cole, Jr.	286	250	247	261	256
DCWASA Blue Plains	342	263	270	301	282
Alexandria Renew Enterprises	310	239	247	292	281
Upper Occoquan Sewage Authority	268	261	260	269	267
Arlington County	190	190	196	206	205
Total system flow per connection	299	250	253	275	267

Source: Fairfax County Wastewater Management Program

Unaudited - see accompanying accountants' report.

## WASTEWATER TREATMENT PLANT SERVICE AREA MAP



## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

The three droplets in the logo range in color from dark to medium to light tones to signify the purification process that takes place at treatment facilities.

The end result of this process is water that is returned to the County's streams at a high level of quality that supports a healthy ecosystem and end uses such as recreational boating, swimming and fishing.

The fish—the alewife—portrayed within the droplet, along with the aquatic grasses shown, are bellwethers of a hospitable environment.

The slogan, "Quality of Water = Quality of Life," represents the care taken by Wastewater Management to produce an end product that enhances the quality of residents' environmental and recreational lives.

## About The Fairfax County Wastewater Management Logo

**VISION** We aspire to achieve a pure and natural state of air and water quality by providing superior wastewater utility service in a spirit of teamwork and excellent customer service.

**MISSION** Our mission is to collect, treat, and monitor wastewater in compliance with all regulatory requirements, using state-of-the-art technology in the most effective manner. We work to improve the environment and enhance the quality of life in Fairfax County.



## FAIRFAX COUNTY WASTEWATER MANAGEMENT



*Quality of Water = Quality of Life*

Fairfax County is committed to a policy of nondiscrimination in all county programs, services and activities and will provide reasonable accommodations upon request. Special accommodations/alternative information formats will be provided upon request. Call 703-324-5030, TTY 711.

