

COMPREHENSIVE ANNUAL FINANCIAL REPORT

Fiscal Years Ended June 30, 2015 and 2014

Orange Water and Sewer Authority

(A COMPONENT UNIT OF THE TOWN OF CHAPEL HILL, NORTH CAROLINA)

Carrboro - Chapel Hill, North Carolina



A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

ORANGE WATER AND SEWER AUTHORITY
(A COMPONENT UNIT OF THE TOWN OF CHAPEL HILL, NORTH CAROLINA)

AUDITED FINANCIAL REPORT
FOR THE FISCAL YEARS ENDED JUNE 30, 2015 AND 2014

Prepared by:

Orange Water and Sewer Authority

ORANGE WATER AND SEWER AUTHORITY

AUDITED FINANCIAL STATEMENTS FOR THE FISCAL YEARS ENDED JUNE 30, 2015 AND 2014

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ORANGE WATER AND SEWER AUTHORITY

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

September 23, 2015

To our Customers, Bondholders and the Orange Water and Sewer Authority Board of Directors:

We are pleased to present our Comprehensive Annual Financial Report for the Fiscal Year beginning July 1, 2014 and ending June 30, 2015 (FY 2015). This report conforms to the reporting and accounting standards of the Governmental Accounting Standards Board (GASB), the Financial Accounting Standards Board (FASB), and the Government Finance Officers Association's (GFOA's) *Governmental Accounting, Auditing and Financial Reporting* document. Orange Water and Sewer Authority (OWASA) is responsible for the accuracy, completeness and fairness of the information presented including all disclosures.

Highlights

In FY 2015, OWASA served the Carrboro-Chapel Hill community in full compliance with Federal and State standards for drinking water, treated wastewater, and reclaimed water quality.

OWASA's financial position improved during the year. The annual average of 6.2 million gallons per day (MGD) of drinking water sold in FY 2015 was slightly more than the projection of 6.1 MGD. However, FY 2015 water sales was about 24% less than was sold in our peak sales year, FY 2002. This decrease in water sales occurred despite an increase of about 15% in the number of customer accounts served. OWASA ended the year with a modified accrual based net income less debt service of about \$10.8 million which was 28% percent over budget. The resulting increase in financial reserves will be used for future needs including capital improvements.

Please refer to the Management's Discussion and Analysis and the audited general purpose financial statements for additional information on OWASA's financial performance during FY 2015.

Scope and Organization of this Report

- The Introductory Section (unaudited) contains this letter of transmittal and information about OWASA's organizational structure, principal officers, major initiatives, accomplishments, and future projects.
- The Financial Section includes the independent auditor's report; OWASA management's discussion and analysis of the year; the general purpose financial statements; and supplementary schedules. The general purpose financial statements can be issued separately for securities offerings or other purposes.
- The Statistical Section (unaudited) presents fiscal and other data to provide a more complete understanding of OWASA, the community we serve and the local economy.
- The Compliance Section presents the independent auditor's report on compliance with various internal control and other requirements related to certain forms of financial assistance.

As a single-purpose governmental entity, OWASA's financial activities are reported as a sole enterprise fund through which is captured and disclosed the inflow and outflow of total economic resources under the full accrual method of accounting. For financial reporting purposes under the GASB Statement 14, OWASA is considered a component unit of the Town of Chapel Hill because the Town Council appoints a majority of OWASA's Board Members and may remove them without cause. The Comprehensive Annual Financial Report (CAFR) of the Town of Chapel Hill therefore includes OWASA's financial data and OWASA's CAFR includes statistical data about the Town.

Background

A special purpose local governmental entity organized under State law, OWASA is a public non-profit agency providing water, wastewater and reclaimed water services to the Carrboro-Chapel Hill community. We serve about 82,000 people.



Creation of OWASA

Before OWASA was established, the University of North Carolina at Chapel Hill (UNC) and the Towns of Chapel Hill and Carrboro provided public water and sewer services to the Carrboro-Chapel Hill community.

Following recommendations of a Utilities Study Commission created in 1971, on August 9, 1976, the State approved conveyance of the University's water and wastewater utilities to OWASA in accord with *Agreements of Sale and Purchase* among the University, the Towns and OWASA. The Town of Carrboro, the Town of Chapel Hill and Orange County governing boards incorporated OWASA under Chapter 162A of State law. OWASA began serving the community on February 16, 1977 upon transfer of the municipal and University systems to OWASA.

Governance

A nine-member Board of Directors governs OWASA. The Chapel Hill Town Council appoints five, and the Carrboro Board of Aldermen and the Orange County Board of Commissioners each appoints two Board Members. The OWASA Board adopts the annual budget; sets rates, fees, and charges based on cost-of-service principles; makes policy decisions; approves issuance of revenue bonds or other debt instruments; and appoints the Executive Director, General Counsel and Independent Auditor.

Water System

Our water comes from Cane Creek Reservoir, a three billion gallon supply eight miles west of Carrboro; University Lake, a 450 million gallon reservoir on the west side of Carrboro; and the 200 million gallon Quarry Reservoir three miles west of Carrboro.



Cane Creek Reservoir

OWASA has a State allocation of water supply storage capacity in Jordan Lake equivalent to about five million gallons of water per day. OWASA does not currently receive water from Jordan Lake to meet the daily needs of its service area nor does it own facilities to do so. However, through mutual aid agreements, OWASA can obtain drinking water from Jordan Lake from the Town of Cary through OWASA's system connection with the City of Durham. OWASA also maintains emergency water system connections with the Town of Hillsborough and Chatham County public drinking water systems.



Jones Ferry Road Water Treatment Plant

Our Jones Ferry Road Water Treatment Plant (WTP) has a capacity of 20 MGD. Our drinking water storage capacity is eight million gallons and we maintain about 400 miles of raw water, finished water, and water interconnection lines.

Wastewater System

We operate and maintain 340 miles of sanitary sewer and force main lines, and 21 pump stations to carry wastewater to the Mason Farm Wastewater Treatment Plant (WWTP), which has a peak treatment capacity of 14.5 MGD (daily average for a calendar month).



Mason Farm Wastewater Treatment Plant

Highly treated wastewater is recycled to the natural environment at Morgan Creek on the southeast side of Chapel Hill or provided as reclaimed water for non-potable uses as described below. Morgan Creek is a tributary of Jordan Lake, a water source for several communities in the region.

Reclaimed Water System

OWASA operates a reclaimed water (RCW) system at the Mason Farm WWTP. Federal and State grants funded about 10% of the project to build the system with UNC, OWASA's primary RCW customer, providing funds for the balance of the construction costs.

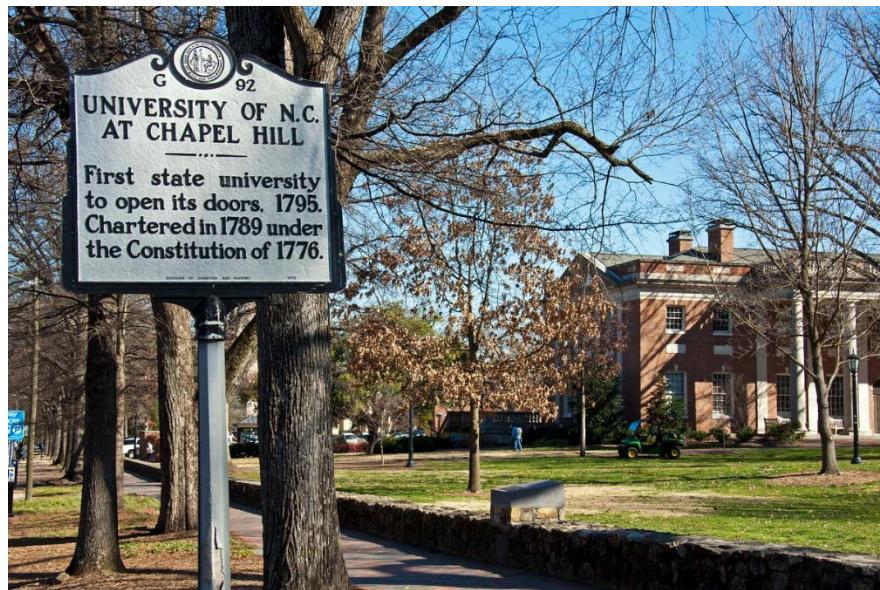
The RCW system is financially self-supporting. OWASA recovers all operating, maintenance, management, and overhead costs through rates and fees. Financial responsibilities, including rate decisions by OWASA and other technical matters are specified in a contract between OWASA and UNC. The University uses RCW for make-up water in cooling towers at chiller plants, toilet flushing, and irrigation. UNC's RCW use averaged about 0.5 MGD during FY 2015 and is expected to increase to 0.8 MGD in FY 2016.

By decreasing the amount of drinking water used for non-drinking purposes, the RCW system helps reduce the community's risks in future droughts and other water shortages. The system also enables OWASA to defer the need for expansion of water supply and treatment capacity.

Economic Conditions

In June 2015 the unemployment rate in Orange County was 5.0 percent compared to the North Carolina average of 5.8; the US average was 5.3 percent (Source: NC Department of Commerce). The estimated population of Orange County increased by 13 percent from 2000 to 2010.

The relative stability of the Carrboro-Chapel Hill economy is supported by the size and strength of UNC and UNC Healthcare which continue to actively plan and develop new facilities and infrastructure.



Initiatives and Accomplishments

No Increase in Monthly Water and Sewer Rates – For the fourth consecutive year, OWASA's Board of Directors approved a new Schedule of Rates and Fees that does not include an increase in monthly water and sewer rates. Fees for establishing a new connection to OWASA's system (Service Availability Fees) remain unchanged from the previous year. Based on our long-range financial planning, we estimate that rate increases for monthly water and sewer charges for the next several years will be at or near the rate of inflation.

Bond Refunding – We refunded approximately \$25 million of revenue bonds which will result in savings of about \$2.5 million in interest costs over the next 17 years.

Association of Metropolitan Water Agencies' (AMWA) Sustainable Water Utility Management Award – The association recognized OWASA for innovation and success in economic, social and environmental aspects of our services. The award recognizes drinking water agencies for the commitment and significant progress they are making toward long-term viability through innovative management practices, executive leadership and employee engagement



Aerial photo of the aeration basins at OWASA's Mason Farm Wastewater Treatment Plant

Financial Information

The annual budget is an integral part of OWASA's financial operations. Appropriations are set at the departmental level. The annual budget and capital project ordinances are adopted by the OWASA Board of Directors creating a legal limit on annual spending. Multi-year project ordinances are adopted for capital projects. OWASA's operations are accounted for, and reported as, an enterprise fund because our services are primarily funded with user fees.

OWASA's management is responsible for the accounting system and for establishing and maintaining internal financial controls. The internal control system is designed to provide reasonable assurance regarding the safeguarding of assets against loss from unauthorized use or disposition and the reliability of financial records for preparing financial statements in conformity with accounting principles generally accepted in the United States of America. Management believes that OWASA's internal accounting controls adequately protect assets and provide reasonable assurance of the proper recording of financial transactions.

OWASA is required by law to use cost-of-service rates. We set our rates, fees and charges to cover the cost for each of our services. We use increasing block water rates to encourage conservation by individually-metered residential customers. OWASA uses seasonal water rates to encourage conservation by non-residential customers during peak demand periods. Non-residential customers pay a higher commodity rate (charge per thousand gallons) during the peak demand months of May through September, and a lower rate in the remaining months. Irrigation-only water customers pay a year-round water rate which reflects the higher system capacity necessary to serve them. When development creates new connections to OWASA's system, fees are charged to ensure that the appropriate portion of the capital costs of providing system capacity is paid for by the parties that tap into and benefit from that capacity. Annual adjustment of water and sewer rates, charges and fees normally occurs on October 1.

Independent Audit

OWASA is required by State law to undergo an annual independent financial audit. OWASA's auditor, Martin, Starnes & Associates, CPAs, P.A., was retained following an open, competitive, qualifications-based selection process. The independent auditor's report on the General Purpose Financial Statements is included in the Financial Section of this report.

Certificate of Achievement for Excellence in Financial Reporting

OWASA has received the GFOA Certificate of Achievement for Excellence in Financial Reporting each year since 2000. To receive a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and legal requirements.

The Certificate of Achievement is valid for a period of one year. We believe that our comprehensive annual financial report for FY 2015 continues to meet the Certificate of Achievement Program requirements and we will submit it to the GFOA to determine its eligibility for another award.

Distinguished Budget Presentation Award

OWASA received its 15th Distinguished Budget Presentation Award from the GFOA for our FY 2015 budget. This award program recognizes governments that prepare high quality budget documents to meet the needs of decision-makers and citizens. We believe that our budget report for FY 2016 continues to meet the Distinguished Budget Presentation Program requirements and we have submitted it to the GFOA to determine its eligibility for another certificate.

Acknowledgements

We express our appreciation to the independent certified public accountants, Martin, Starnes & Associates, CPAs, P.A., who assisted and significantly contributed to this report.

Preparation of this report could not have been accomplished without the efficient and dedicated work of the OWASA team.

We thank the OWASA Board of Directors for their responsible policy guidance in financial management.

Respectfully submitted,



Ed Kerwin
Executive Director



Stephen Winters, CPA
Director of Finance and Customer Service



Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

**Orange Water and Sewer Authority
North Carolina**

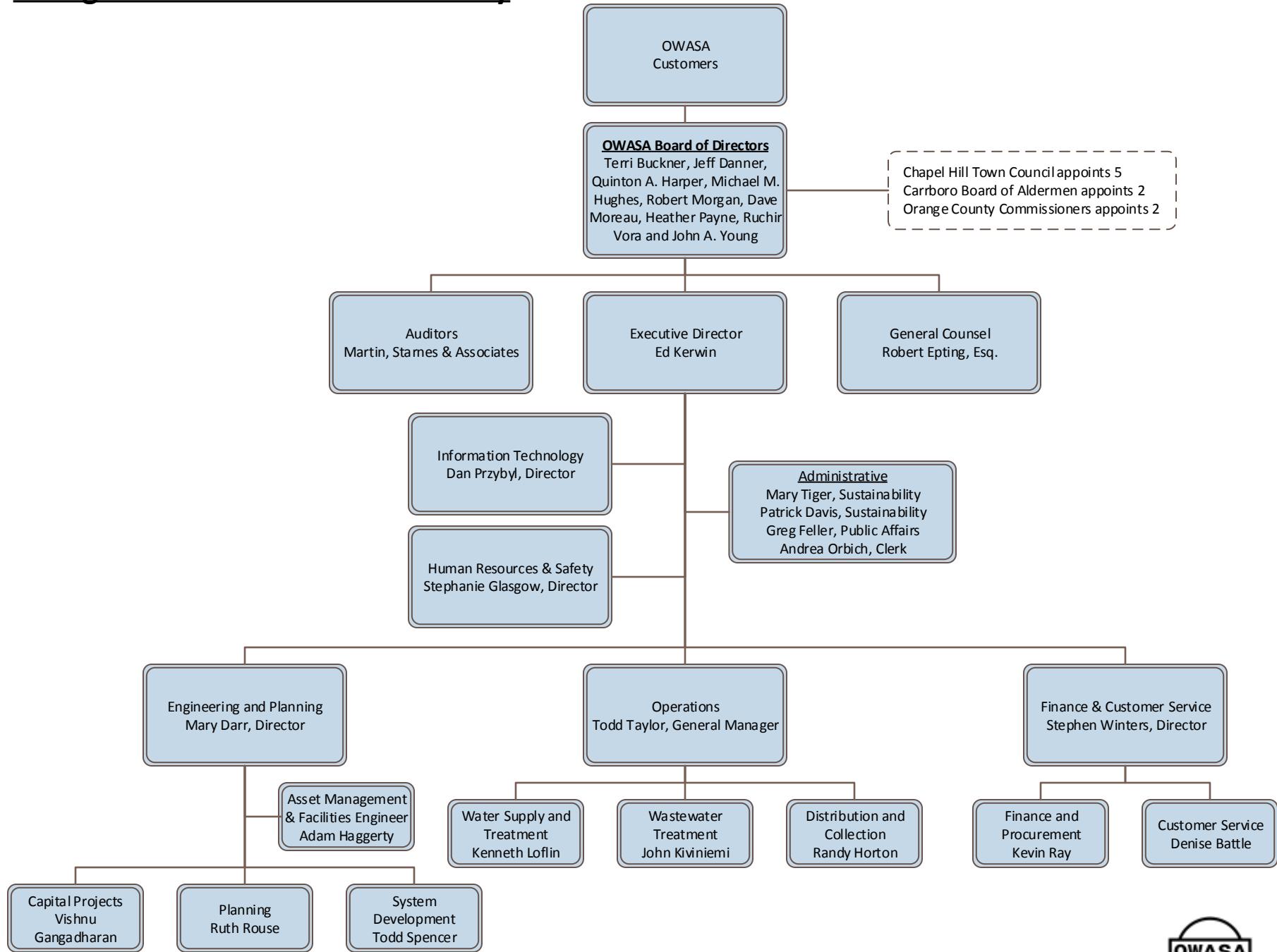
For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended

June 30, 2014

A handwritten signature in black ink, appearing to read "Jeffrey R. Emmer".

Executive Director/CEO

Orange Water and Sewer Authority



ORANGE WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS

CHAIR

John Young
124 Meadowmont Village Circle
Chapel Hill, NC 27517
Appointed by Chapel Hill; Term Expires 6/30/16

VICE CHAIR

Michael Hughes, P.E.
8112 Orange Grove Road
Chapel Hill, NC 27516
Appointed by Orange County; Term Expires 6/30/18

SECRETARY

Heather Payne
1300 Mason Farm Road
Chapel Hill, NC 27514
Appointed by Chapel Hill; Term Expires 6/30/16

MEMBERS

Terri Buckner
306 Yorktown Drive
Chapel Hill, NC 27516
Appointed by Orange County; Term Expires 6/30/17

Stephen Dear
207 Wyndham Drive
Chapel Hill, NC 27516
Appointed by Carrboro; Term Expires 6/30/15

Quinton Harper
501 Jones Ferry Road #U7
Carrboro, NC 27510
Appointed by Carrboro; Term Expires 6/30/16

Dave Moreau
16 Kendall Drive
Chapel Hill, NC 27517
Appointed by Chapel Hill; Term Expires 6/30/17

Ruchir Vora
522 Dogwood Drive
Chapel Hill, NC 27516
Appointed by Chapel Hill; Term Expires 6/30/17

Amy Witsil
115 Woodshire Lane
Chapel Hill, NC 27514
Appointed by Chapel Hill; Term Expires 6/30/15

ORANGE WATER AND SEWER AUTHORITY
MANAGEMENT TEAM

Denise Battle, Customer Service Manager

Stuart Carson, P.E., Engineering Manager (Capital Projects)

Mary Darr, P.E., Director of Engineering and Planning

Patrick K. Davis, Sustainability Manager

Greg Feller, Public Affairs Administrator

Stephanie Glasgow, M.E.S.H., P.H.R., Director of Human Resources and Safety

Randy Horton, Water Distribution and Wastewater Collection Systems Manager

Ed Kerwin, Executive Director

John Kiviniemi, Wastewater Treatment and Biosolids Recycling Manager

Kenneth Loflin, Water Supply and Treatment Manager

Andrea Orbich, Clerk to the Board/Executive Assistant

Dan Przybyl, Director of Information Technology

Kevin M. Ray, Finance and Procurement Manager

Ruth Rouse, A.I.C.P., Planning and Development Manager

Todd Spencer, P.E., Engineering Manager (System Development)

Todd Taylor, P.E., General Manager of Operations

Stephen Winters, CPA, Director of Finance and Customer Service

GENERAL COUNSEL

Robert Epting, Esquire

Epting and Hackney, Attorneys at Law

MARTIN ♦ STARNES & ASSOCIATES, CPAs, P.A.

"A Professional Association of Certified Public Accountants and Management Consultants"

INDEPENDENT AUDITOR'S REPORT

Board of Directors
Orange Water and Sewer Authority
Carrboro, North Carolina

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities of the Orange Water and Sewer Authority (A Component Unit of the Town of Chapel Hill, North Carolina), as of and for the years ended June 30, 2015 and 2014, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; 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.

Auditor's 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 and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of 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 auditor's 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 financial statement 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 business-type activities of the Orange Water and Sewer Authority as of June 30, 2015, and the respective changes in financial position and cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that Management's Discussion and Analysis, the Other Post-Employment Benefits Schedules of Funding Progress and Employer Contributions, and the Local Governmental Employees' Retirement System Schedules of the Proportionate Share of Net Pension Asset and Contributions 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 the 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 consist 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 opinions on the financial statements that collectively comprise the Orange Water and Sewer Authority's basic financial statements. The introductory information, budgetary schedules, statistical section, and the accompanying Schedule of Expenditures of Federal and State Awards as required by U.S. Office of Management and Budget Circular A-133, *Audits of State and Local Governments and non-Profit Organizations* and the State Single Audit Implementation Act are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The budgetary schedules and the Schedule of Expenditures of Federal and State Awards are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures; including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion the budgetary schedules and the Schedule of Expenditures of Federal and State Awards, are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

The introductory information and the statistical sections have not been subjected to the auditing procedures applied in the audit of basic financial statements, and accordingly, we do not express an opinion or provide assurance on them.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 23, 2015 on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Authority's internal control over financial reporting and compliance.

Martin Starnes & Associates, CPAs, P.A.

Martin Starnes & Associates, CPAs, P.A.
Hickory, North Carolina
September 23, 2015

Management's Discussion and Analysis

The management of the Orange Water and Sewer Authority (OWASA) offers the following discussion and analysis as a supplement to the organization's financial position and activities for the fiscal years ended June 30, 2015 and 2014. This presentation is intended to enhance the readers' understanding of the financial statements which follow and should be read in conjunction with those statements and the introductory letter of transmittal found on pages i–viii.

Financial Highlights

- At June 30, 2015, OWASA's assets and deferred outflows of resources exceeded its liabilities and deferred inflows of resources by \$246 million.
- OWASA's total net position increased by \$7.1 million, primarily resulting from income realized from operating activities.
- Due to the condition and capacity of OWASA's system, over 80% of the organization's \$7.3 million capital expenditures for Fiscal Year (FY) 2015 were invested in replacing and rehabilitating existing infrastructure.
- Non-current liabilities increased by about \$800,000. This net change consisted of an increase due to an interest-free loan from the state of North Carolina and a decrease due to principal payments on long-term debt.
- OWASA's credit ratings from Standard and Poor's and Fitch of AA+, and Aa1 from Moody's, remain unchanged.

Overview of the Financial Statements

OWASA's primary mission is to provide water, sewer, and reclaimed water services to Chapel Hill, Carrboro, and portions of southeastern Orange County. OWASA does not provide other general purpose government services or programs. OWASA's operations, capital improvements program, and debt payments are funded almost entirely through rates, fees and other charges for water, sewer, and reclaimed water services. OWASA is considered to be, and therefore presents its financial report, as a stand-alone enterprise fund.

As a stand-alone enterprise fund, OWASA's basic financial statements consist of a *Statement of Net Position*, a *Statement of Revenues, Expenses and Changes in Net Position* and a *Statement of Cash Flows*. These statements, together with the *Management's Discussion and Analysis*, provide both short- and long-term financial information about OWASA's financial position. Presentations of two-year and three-year comparative data in these schedules are intended to enhance the reader's ability to gauge OWASA's fiscal strength and provide useful trend information. *Notes to the Financial Statements* and a *Schedule of Revenues and Expenditures – Budget and Actual* appear immediately following the basic financial statements. In addition, other required supplementary information, generally statistical and demographic in nature, is presented.

The *Statement of Net Position* presents OWASA's basic financial position through disclosure of information about OWASA's assets and liabilities. Net position represents the difference between total assets and deferred outflows of resources and total liabilities. Over time, net position may serve as a useful indicator of OWASA's financial condition.

The *Statement of Revenues, Expenses and Changes in Net Position* provides information regarding OWASA's total economic resource inflow and outflow (accrual method of accounting). The difference between these inflows and outflows represents the change in net position, which links this statement to the *Statement of Net Position*.

The *Statement of Cash Flows* deals specifically with the flow of cash and cash equivalents arising from operating, capital and related financing and investing activities. Because OWASA's *Statement of Revenues, Expenses and Changes in Net Position* measures the flow of total economic resources, operating income usually differs from net cash flow from operations. To supplement the reader's understanding of this difference, the *Statement of Cash Flows* includes reconciliation between these two amounts. In accordance with accounting principles generally accepted in the United States, a reconciliation of cash and cash equivalents is also presented in this statement.

The *Notes to the Financial Statements* provide additional information that is essential to a full understanding of the data provided in the financial statements.

Financial Analysis

Orange Water and Sewer Authority Schedule of Net Position (\$ millions)				
	<u>Fiscal Year Ended</u>			<u>Percentage of Change (2014 to 2015)</u>
	<u>2015</u>	<u>2014</u>	<u>2013</u>	
Current assets	\$38.6	\$30.1	\$38.3	28.2%
Capital and other long-term assets	<u>300.9</u>	<u>299.9</u>	<u>291.7</u>	0.3
Total assets	339.5	330.0	330.0	2.9
Total deferred outflows of resources	3.1	2.3	2.6	34.8
Current liabilities	12.1	11.4	13.5	6.1
Non-current liabilities	<u>83.3</u>	<u>82.5</u>	<u>87.0</u>	1.0
Total liabilities	95.4	93.9	100.5	1.6
Net position				
Invested in capital assets, net of related debt	218.4	219.5	206.1	(0.5)
Restricted	0.2	0.2	0.1	0.0
Unrestricted	<u>26.9</u>	<u>18.7</u>	<u>25.9</u>	43.9
Total net position	<u>\$245.5</u>	<u>\$238.4</u>	<u>\$232.1</u>	3.0

OWASA's assets exceeded liabilities by \$246 million at June 30, 2015, compared to \$238 million and \$232 million at June 30, 2014 and 2013, respectively. OWASA's overall financial position strengthened between FY 2013 and 2015 as net position increased by \$13.4 million. Total assets increased during the same period by \$9.5 million. These trends indicate that a significant portion of recent infrastructure improvements has been funded through cash rather than debt.

Net capital assets comprised about 88% of total assets for the comparative years of 2013 through 2015. These capital assets are essential in providing water and sewer services to customers and are not available for future spending. The resources needed to repay the related debt must be provided by other sources. At June 30, 2015, these other unrestricted resources totaled \$26.9 million and may be used for any lawful purpose.

Non-current liabilities increased by approximately 4.3% or \$3.7 million during the same period reflecting decreases from principal payments on long-term debt and an increase due to an interest-free loan from the state of North Carolina.

OWASA anticipates continued increases in net position arising from its planned capital improvements program and projected excess of revenues and contributions over expenditures.

Orange Water and Sewer Authority Revenues, Expenses and Change in Net Position (\$ Millions)				Percentage of Change (2014 to 2015)
	<u>Fiscal Year Ended</u>			
	<u>2015</u>	<u>2014</u>	<u>2013</u>	
Operating revenues				
Water, wastewater, reclaimed water	\$35.4	\$34.5	\$34.3	2.6%
Other	<u>1.5</u>	<u>1.3</u>	<u>1.2</u>	15.4
Total operating revenues	36.9	35.8	35.5	3.1
Operating expenses	<u>28.8</u>	<u>29.0</u>	<u>29.3</u>	(0.7)
Operating income	8.1	6.8	6.2	19.1
Non-operating revenues (expenses)	(1.5)	(1.4)	(0.5)	7.1
Income before contributions	6.6	5.4	5.7	22.2
Capital contributions	<u>1.4</u>	<u>0.9</u>	<u>0.4</u>	55.6
Increase (decrease) in net position	8.0	6.3	6.0	27.0
Net position, July 1	238.4	232.1	226.9	2.7
Change in accounting principles / restatement (see Note 7)	(0.9)	0.0	(0.9)	
Net position, June 30	<u>\$245.5</u>	<u>\$238.4</u>	<u>\$232.1</u>	3.0

The above condensed three-year comparison of Revenues, Expenses and Change in Net Position, combined with the following discussion provides additional insight regarding changes in net position.

- **Operating Revenues:** OWASA is not empowered to levy or collect taxes, nor does OWASA receive funding from the taxing authorities within its service area. OWASA's operations, capital improvements program and debt service are funded almost entirely from fees charged to customers for water, sewer, and reclaimed water services, and other related services. As a result, OWASA's revenue stream is impacted by fluctuations in demand for services and other economic factors.

Revenues derived from water, sewer, and reclaimed water services are comprised of two components; a fixed monthly service charge based on the size of the installed water meter and a monthly volume usage (commodity) charge per thousand gallons of water consumed. The sewer commodity charge is measured based on water consumption. However, for residential customers, the sewer commodity charge incorporates the assumption that not all water consumed is returned to the sewer system. Sewer billings for residential customers are capped at 15,000 gallons per month. All rates, fees and charges are calculated under a cost-of-service rate-making methodology.

Potable water sales volume declined each year from FY 2003 through FY 2013. In FY 2015 and FY 2014, potable water volume sales were 6.2 average million gallons per day. The downward trend in potable water demand reflects OWASA's and its customers' continued commitment to water conservation, the conservation signal delivered through the increasing block rate and seasonal pricing structures for residential and commercial customers, respectively, and the use of reclaimed water by the University. With no rate increase during the year and the stabilization in the volume of water sold, Operating revenues for FY 2015 were about 3.1% higher than the previous year or \$36.9 million.

- **Operating Expenses:** Operating expenses were \$28.8 million or about 0.7% and 1.7% less than FY 2014 and FY 2013, respectively. The lack of an increase in costs from FY 2013 to FY 2015 reflects OWASA's ongoing efforts to streamline processes and improve efficiencies. OWASA's department managers expended about 1.7% or \$345,000 less than the amount budgeted for FY 2015. Operating expenses includes a \$9.4 million charge for depreciation and a \$373,000 charge for post-employment benefits. OWASA's ability to meet operating expenses and adequately cover debt service remained positive.
- **Non-Operating Revenues (Expenses):** Non-operating revenues are comprised primarily of customer (service availability) fees, interest earnings, and gains (or losses) from the sale of surplus property. Customer fees, similar to impact fees, are calculated to recover from new customers a share of the cost of system capacity when a new connection is made to the system. Non-operating expenditures are made up primarily of interest expense on debt and amortization of bond expenses.

Customer fees of \$1.4 million represented a 27% increase from FY 2014 and a 22% decrease from FY 2013. Interest earnings remained low in FY 2015 totaling about \$15,000. Investments remained in safe and liquid secured deposits.

- **Capital Contributions:** Capital contributions totaled approximately \$1.4 million for the year and were comprised of construction costs of developer dedicated facilities. Contributions in aid of construction in the form of dedicated service lines are classified as contributions after net income. Although OWASA receives such contributions annually, these transactions are not cash or cash equivalents and are not included in the budget under the modified accrual method.

Capital Assets

Each year, OWASA expands or places into service new and renewed capital assets. Capital assets net of depreciation decreased by about 0.5% in FY 2015. The net decrease consisted of additions totaling \$8.6 million and a reduction due to depreciation of \$9.4 million. The asset additions included the rehabilitation or replacement of various water and sewer mains and improvements to the Jones Ferry Road Water Treatment Plant and the Mason Farm Wastewater Treatment Plant.

The majority of OWASA's capital expenditures over the next 15 years is expected to be invested in replacing and rehabilitating existing assets. System capacity is expected to be sufficient to meet the community's needs well into the future. Please refer to page 24 for additional information on capital assets.

Orange Water and Sewer Authority Capital Assets (\$ Millions)				
	<u>Fiscal Year Ended</u>			<u>Percentage of Change (2014 to 2015)</u>
	<u>2015</u>	<u>2014</u>	<u>2013</u>	
Land	\$17.6	\$17.6	\$17.6	0.0%
Construction in progress	26.0	25.2	13.1	3.2
Water treatment and distribution	103.7	102.2	104.0	1.5
Sewer collection and treatment	140.7	142.5	143.4	(1.3)
Fixtures and equipment	<u>12.0</u>	<u>12.2</u>	<u>13.5</u>	(1.6)
Total	<u><u>\$300.0</u></u>	<u><u>\$299.7</u></u>	<u><u>\$291.6</u></u>	0.1

Debt Administration

OWASA policy stipulates that at least 30% of annual capital improvements projects be funded with cash from operations. At June 30, 2015, 2014 and 2013, OWASA's outstanding debt totaled \$79.1 million, \$78.7 million, and \$83.8 million respectively, net of applicable premiums, discounts and deferred refunding costs. These amounts consist of a \$6.2 million interest-free loan from the state of North Carolina, and water and sewer system revenue and refunding bonds issued in fiscal years 2003, 2004, 2005, 2006, 2010 and 2014. At year end, OWASA owed an accrued debt service liability of approximately \$6.1 million. This amount was credited in full to the trustee restricted bond service account as of June 30, 2015.

OWASA's credit ratings for its bonds are Aa1 by the Moody's rating agency. Standard & Poor's and Fitch rate OWASA's creditworthiness as AA+. These "double A" ratings reflect OWASA's strong fiscal policy and standards and are considered excellent for an entity that does not have taxing authority.

Please refer to page 26 in the Notes to Financial Statements section for greater detail on OWASA's outstanding debt obligations.

Economic Factors

OWASA's location in Orange County, North Carolina includes a number of factors that benefit the organization and, thereby, its customers.

- The University of North Carolina at Chapel Hill (UNC) is OWASA's largest customer and accounts for approximately 22% of total water sales.
- The Carrboro-Chapel Hill economy benefits from the size and strength of UNC and UNC Healthcare: public entities that serve the entire state. The University continues to actively plan and develop new facilities and infrastructure.
- There are no major industries in the service area that are subject to significant changes in economic conditions.
- Orange County's unemployment rate has historically been better than the State and National average.

OWASA encourages water conservation through public education, voluntary and mandatory water use restrictions, and pricing structures. Reduced water use through conservation provides many benefits to the community including extending the life of OWASA's water supply and system capacity. The organization continues to strive to improve efficiencies and reduce costs to limit rate increases without adversely impacting services levels.

FY 2016 Budget Highlights

For the fourth consecutive year, OWASA's Board of Directors approved a budget that includes no increase in the monthly rates charged for water, sewer and reclaimed water services. Additionally, there will be no increase in the fees charged for new connections to OWASA's system. The FY 2016 budget for Operating expenses is about five percent greater than the FY 2015 budget. Capital improvement expenditures are budgeted to be approximately \$10.6 million.

Requests for Information

This report is designed to provide an overview of Orange Water and Sewer Authority's finances. Questions concerning any of the information found in this report or requests for additional information may be directed to the Director of Finance and Customer Service, 400 Jones Ferry Road, Carrboro, North Carolina 27510-2001.

ORANGE WATER AND SEWER AUTHORITY

STATEMENTS OF NET POSITION

PROPRIETARY FUND

JUNE 30, 2015 AND 2014

	2015	2014
Assets:		
Current assets:		
Cash and cash equivalents	\$ 24,421,987	\$ 16,656,145
Receivables:		
Trade accounts (net of allowances for uncollectible accounts of approximately \$85,000 for 2015 and 2014)	4,263,327	3,951,505
Other	959,285	627,438
Inventory, materials, and supplies	902,288	969,451
Prepaid expenses	18,422	81,647
Restricted cash and cash equivalents:		
Cash and cash equivalents	1,545,726	1,421,139
Cash and cash equivalents, trustee	6,528,297	6,414,697
Total current assets	<u>38,639,332</u>	<u>30,122,022</u>
Non-current assets:		
Restricted cash and cash equivalents	222,470	187,910
Net pension asset	<u>709,819</u>	-
Capital assets:		
Non-depreciable	43,620,491	42,757,047
Depreciable	<u>256,383,976</u>	<u>256,918,869</u>
Total capital assets, net of accumulated depreciation	<u>300,004,467</u>	<u>299,675,916</u>
Total non-current assets, net	<u>300,936,756</u>	<u>299,863,826</u>
Total assets	<u>339,576,088</u>	<u>329,985,848</u>
Deferred Outflows of Resources:		
Contributions to pension plan in current fiscal year	519,888	-
Pension deferrals	47,246	-
Deferred charge on refunding	<u>2,496,464</u>	<u>2,254,961</u>
Total deferred outflows of resources	<u>3,063,598</u>	<u>2,254,961</u>

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

STATEMENTS OF NET POSITION

PROPRIETARY FUND

JUNE 30, 2015 AND 2014

	<u>2015</u>	<u>2014</u>
Liabilities:		
Current liabilities:		
Payable from current assets:		
Trade and construction contracts payable	1,309,877	2,289,191
Accrued expenses	441,201	398,483
Payable from restricted cash and cash equivalents:		
Accrued interest	1,643,914	1,378,584
Customer deposits and advances	1,545,726	1,421,139
Current maturity of note payable	328,000	-
Current maturities of bonds payable	6,396,696	5,416,696
Current portion of compensated absences	420,000	450,000
Total current liabilities	12,085,414	11,354,093
Non-current liabilities:		
Note payable	5,904,000	-
Bonds payable	71,450,479	76,991,467
Compensated absences	96,863	41,731
OPEB liability	5,829,195	5,456,202
Total non-current liabilities	83,280,537	82,489,400
Total liabilities	95,365,951	93,843,493
Deferred Inflows of Resources:		
Pension deferrals	1,730,002	-
Total deferred inflows of resources	1,730,002	-
Net Position:		
Net investment in capital assets	218,421,756	219,522,714
Restricted for capital reserve	222,470	187,910
Unrestricted	26,899,507	18,686,692
Total net position	\$ 245,543,733	\$ 238,397,316

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION - PROPRIETARY FUND FOR THE YEARS ENDED JUNE 30, 2015 AND 2014

	2015	2014
Operating Revenues:		
Water	\$ 18,291,453	\$ 17,533,580
Sewer	16,739,718	16,589,072
Service initiation fees	167,410	167,615
Reclaimed water	411,122	435,939
Other	1,351,139	1,116,826
Total operating revenues	36,960,842	35,843,032
Operating Expenses:		
Water supply and treatment	4,553,491	4,267,802
Water distribution	2,782,489	2,720,838
Sewer treatment	4,457,289	4,721,294
Sewer collections	1,254,390	1,224,941
General and administrative	5,951,983	5,662,788
Depreciation and amortization	9,384,310	9,393,739
Other post-employment benefits	372,993	1,012,532
Total operating expenses	28,756,945	29,003,934
Operating income (loss)	8,203,897	6,839,098
Non-Operating Revenues (Expenses):		
Customer fees	1,429,244	1,069,551
Investment income, net of fair value of investments adjustment	15,133	14,755
Interest expense	(2,637,681)	(2,644,155)
Amortization of bond and lease expense	(177,021)	107,636
Gain (Loss) on disposal of capital assets	(145,273)	23,591
Total non-operating revenues (expenses)	(1,515,598)	(1,428,622)

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

**STATEMENTS OF REVENUES, EXPENSES, AND
 CHANGES IN NET POSITION - PROPRIETARY FUND
 FOR THE YEARS ENDED JUNE 30, 2015 AND 2014**

	2015	2014
Income (loss) before capital contributions	<u>6,688,299</u>	<u>5,410,476</u>
Capital Contributions:		
Capital grants and contributions	2,320	-
Contributions in aid of construction	<u>1,372,391</u>	<u>849,325</u>
Total capital contributions	<u>1,374,711</u>	<u>849,325</u>
Change in net position	<u>8,063,010</u>	<u>6,259,801</u>
Net Position:		
Beginning of year - July 1	238,397,316	232,137,515
Restatement	<u>(916,593)</u>	<u>-</u>
Beginning of year, restated	<u>237,480,723</u>	<u>232,137,515</u>
End of year - June 30	<u>\$ 245,543,733</u>	<u>\$ 238,397,316</u>

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

STATEMENTS OF CASH FLOWS PROPRIETARY FUND FOR THE YEARS ENDED JUNE 30, 2015 AND 2014

	2015	2014
Cash Flows from Operating Activities:		
Receipts from customers	\$ 34,966,034	\$ 35,065,892
Payments to suppliers	(9,702,242)	(10,103,627)
Payments to employees	(10,542,020)	(10,200,602)
Other receipts	1,475,726	1,041,012
Net cash provided (used) by operating activities	<u>16,197,498</u>	<u>15,802,675</u>
Cash Flows from Capital and Related Financing Activities:		
Acquisition and construction of capital assets	(8,494,433)	(16,728,673)
Proceeds from sale of property, plant, and equipment	8,690	72,508
Principal paid on bond maturities and other long-term debt	(21,788,000)	(5,597,746)
Interest paid on bond maturities and other long-term debt	(3,467,706)	(2,418,775)
Customer fees received	1,252,223	1,177,187
Proceeds from issuance of debt	24,312,864	-
Capital grants and contributions	2,320	-
Net cash provided (used) by capital and related financing activities	<u>(8,174,042)</u>	<u>(23,495,499)</u>
Cash Flows from Investing Activities:		
Interest and dividends on investments	<u>15,133</u>	<u>14,755</u>
Net increase (decrease) in cash and cash equivalents	8,038,589	(7,678,069)
Cash and Cash Equivalents:		
Beginning of year - July 1	<u>24,679,891</u>	<u>32,357,960</u>
End of year - June 30	<u>\$ 32,718,480</u>	<u>\$ 24,679,891</u>

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

STATEMENTS OF CASH FLOWS
PROPRIETARY FUND
FOR THE YEARS ENDED JUNE 30, 2015 AND 2014

	2015	2014
Reconciliation of Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities:		
Operating income (loss)	\$ 8,203,897	\$ 6,839,098
Adjustments to reconcile operating income (loss) to net cash provided (used) by operating activities:		
Depreciation and amortization	9,384,310	9,393,739
Pension (benefit) expense	56,343	-
Changes in assets and liabilities:		
(Increase) decrease in trade accounts receivable	(311,822)	438,883
(Increase) decrease in other receivables	(331,847)	(99,197)
(Increase) decrease in inventory	67,163	(43,227)
(Increase) decrease in prepaid expenses	63,226	187,190
Increase (decrease) in trade and construction contracts payable	(979,314)	(1,992,594)
Increase (decrease) in customer deposits	124,587	(75,814)
Increase (decrease) accrued expenses	42,718	142,065
Increase (decrease) compensated absences	25,132	
Increase (decrease) in deferred outflows of resources for pensions	(519,888)	-
Increase (decrease) in other post-employment benefits	<u>372,993</u>	<u>1,012,532</u>
Net cash provided (used) by operating activities	<u>\$ 16,197,498</u>	<u>\$ 15,802,675</u>
Non-Cash Capital and Related Financing Activities:		
Property, plant, and equipment contributed by private developers	<u>\$ 1,372,391</u>	<u>\$ 849,325</u>

The accompanying notes are an integral part of the financial statements.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

1. Summary of Significant Accounting Policies

The accounting policies of the Orange Water and Sewer Authority conform to generally accepted accounting principles as they apply to governments. The following is a summary of the more significant accounting policies:

A. Reporting Entity

The Orange Water and Sewer Authority (the “Authority”) was created pursuant to Chapter 162A of the North Carolina General Statutes by the Board of Commissioners of Orange County and the Town Council of Chapel Hill and the Board of Aldermen of the Town of Carrboro in June 1975, as a public entity, politic and corporate, for the purpose of acquiring, consolidating, improving, and operating the existing water and sewer systems serving the above governmental jurisdictions and certain contiguous areas. The Authority is a separate governmental unit granted independent authority by the North Carolina General Statutes to allow the Authority’s Board of Directors to set rates, fees, and charges without oversight, supervision, or direction from any other State or local entity or agency.

Because the Town Council of Chapel Hill appoints a majority of the Authority’s Board of Directors and may remove them without cause, the Authority falls within the definition of a “Component Unit” provided in applicable accounting standards. For this reason, the Authority’s financial data is incorporated into the Comprehensive Annual Financial Report of the Town of Chapel Hill.

B. Basis of Presentation

The business-type activities are financed in whole or in part by fees charged to external parties. All activities of the Authority are considered business-type activities.

Fund Financial Statements. The fund financial statements provide information about the Authority’s funds.

Proprietary fund operating revenues, such as charges for services, result from exchange transactions associated with the principal activity of the fund. Exchange transactions are those in which each party receives and gives up essentially equal values. Non-operating revenues, such as subsidies and investment earnings, result from non-exchange transactions. The Authority has one fund category - proprietary funds.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Enterprise Fund

The Enterprise Fund is used to account for those operations that (a) are financed and operated in a manner similar to private business enterprises, where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that the periodic determination of revenues earned, expenses incurred and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes. The Authority operates as a singular enterprise fund.

The Enterprise Fund is considered a major fund for the year ended June 30, 2015.

C. Measurement Focus and Basis of Accounting

In accordance with North Carolina General Statutes, all funds of the Authority are maintained during the year using the modified accrual basis of accounting.

Proprietary Fund Financial Statements. The proprietary fund financial statements are reported using the economic resources measurement focus. The proprietary fund financial statements are reported using the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place. Proprietary funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of the Authority's Enterprise Fund are charges to customers for sales and services. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

D. Budgetary Data

Annual budgets are adopted on a basis consistent with provisions of the North Carolina Local Government Budget and Fiscal Control Act, which is the modified accrual method of accounting. All annual appropriations lapse at fiscal year-end.

The Authority begins developing its budget in the second quarter of each year and the Board of Directors approves the budget in early June after public hearings are held.

Budgeted revenues are reflected by source and budgeted expenses by department. On a periodic basis, as required by changing conditions, the budgeted amounts are amended. The budgeted amounts shown in the supplemental schedules reflect the governing board's amendments through the fiscal year-end. Expenditures may not legally exceed appropriations at the object level.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

E. Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Fund Equity

Deposits and Investments

All deposits of the Authority are made in board-designated official depositories and are secured as required by G.S. 159-31.

The Authority may designate, as an official depository, any bank or savings association whose principal office is located in North Carolina. Also, the Authority may establish time deposit accounts such as money market accounts and certificates of deposits.

State law [G.S. 159-30(c)] authorizes the Authority to invest in obligations of the United States or obligations fully guaranteed both as to principal and interest by the United States; obligations of the State of North Carolina; bonds and notes of any North Carolina local government or public authority; obligations of certain nonguaranteed federal agencies; certain high quality issues of commercial paper and bankers' acceptances; and the North Carolina Capital Management Trust ("NCCMT"), an SEC-registered mutual fund.

The Authority's investments with a maturity of more than one year at acquisition and non-money market investments are reported at cost or amortized cost, which approximates their fair value as determined by quoted market prices. The NCCMT Cash Portfolio's securities, a SEC-register (2a7) money market mutual fund, are valued at fair value, which is the NCCMT's share price. Money market investments that have a remaining maturity at the time of purchase of one year or less are reported at amortized cost.

Cash and Cash Equivalents

The Authority's cash and cash equivalents are considered to be cash on hand, demand deposits, and short-term investments with original maturities of three months or less from the date of acquisition.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Restricted Assets

Certain proceeds of the Authority's revenue bonds, as well as certain resources set aside for their repayment, are classified as restricted assets on the Statement of Net Position, because they are maintained in separate bank accounts and their use is limited by applicable bond covenants. Customer deposits held by the Authority before any services were supplied are restricted to the service for which the deposits were collected. Capital reserve amounts are restricted for future maintenance and repairs.

Orange Water and Sewer Authority Restricted Cash:

Business-Type Activities:

Bond service	\$ 6,528,297
Capital reserve	222,470
Customer deposits	<u>1,545,726</u>
Total business-type activities	<u>\$ 8,296,493</u>

Receivables

All trade receivables are shown net of an allowance for uncollectibles. Trade receivables that are determined to be uncollectible by the client are based on their knowledge of collection history for similar customers. The Authority grants credit to residential, business and industrial customers, substantially all of whom are local to the Orange County, North Carolina area.

Allowance for Doubtful Accounts

The Authority historically experiences uncollectible accounts, and accounts receivable is shown net of an allowance for doubtful accounts. This amount is estimated by analyzing the percentage of receivables that were written off in prior years. The allowance was \$85,000 at June 30, 2015 and June 30, 2014.

Inventory and Prepaid Items

Materials and supplies are valued at average cost and are held for subsequent use. The cost of these inventories is expensed when consumed rather than when purchased.

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in the statement of net position and expensed as the items are used.

Capital Assets

Capital assets, which include property, plant, equipment, and infrastructure assets, are reported in the financial statements. Capital assets are defined by the Authority as assets with an initial, individual cost of more than \$5,000 and an estimated useful life in excess of one year. Such assets are recorded at historical cost if purchased or constructed. Donated capital assets are recorded at estimated fair market value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

extend assets' lives are not capitalized.

Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets is included as part of the capitalized value of the assets constructed.

Property, plant, and equipment are depreciated using the straight-line method by groups or classes of property over the following expected service lives:

	Years
Water treatment and distribution	20-60
Sewer collection and treatment	40-60
Fixtures and equipment	5-20

Assets under capitalized lease obligations are recorded at the discounted present value of the future minimum lease payments at the inception of the respective leases. The amounts capitalized are being amortized by the straight-line method over the lesser of the term of the lease or the estimated life of the asset. Amortization of these assets is included in depreciation expense.

Deferred Outflows/Inflows of Resources

In addition to assets, the Statement of Financial Position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, *Deferred Outflows of Resources*, represents a consumption of net position that applies to a future period and so will not be recognized as an expense or expenditure until then. The Authority has several items that meet this criterion, an unamortized loss on bond defeasance for Water and Sewer Refunding bonds, pension related deferrals, and contributions made to the pension plan in the current fiscal year. In addition to liabilities, the Statement of Financial Position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, *Deferred Inflows of Resources*, represents an acquisition of net position that applies to a future period and so will not be recognized as revenue until then. The authority has one item that meets this criterion in the current year – pension related deferrals.

Compensated Absences

It is the Authority's policy to permit employees to accumulate earned, but unused, vacation and sick pay benefits. There is no liability for unpaid accumulated sick leave since the Authority does not have a policy to pay any amounts when employees separate from service with the Authority. All vacation pay is accrued when incurred in the financial statements. At June 30, 2015 and 2014, the Authority had recorded a liability for accrued vacation and the salary-related payments of \$516,863 and \$491,731, respectively.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Long-Term Debt

Long-term debt is reported net of applicable bond premium or discount, which are deferred and amortized over the life of the bonds using the effective interest method.

Net Position

Net position in the proprietary fund financial statements is classified as net investment in capital assets; restricted; and unrestricted. Restricted net position represents constraints on resources that are either externally imposed by creditors, grantors, contributors, or laws or regulations of other governments or imposed by law through State statute.

Net position classified as net investment in capital assets, consist of capital assets, net of accumulated depreciation, and reduced by the outstanding balances of any bonds, mortgages, notes, or other borrowings that are attributable to the acquisition, construction, or improvement of those assets.

Restricted for Capital Reserve – represents a portion of net position that is restricted by revenue source for future maintenance and capital.

Unrestricted net position consists of net position that does not meet the definition of “restricted” or “net investment in capital assets.”

F. Operating Revenues and Expenses

Operating revenues and expenses generally result from providing services in connection with the Authority’s principal ongoing operations, which is the sale of water and treatment of wastewater for its customers. The Authority also recognizes as operating revenue the portion of tap fees intended to recover the cost of connecting new customers to the system. Operating expense for the Authority includes the cost of services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

G. Accounting Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the period. Actual results could differ from these estimates.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

H. Defined Benefit Pension Plans

For purposes of measuring the net pension asset, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net positions of the Local Governmental Employees' Retirement System (LGERS) and additions to/deductions from LGERS fiduciary net positions have been determined on the same basis as they are reported by LGERS. For this purpose, plan member contributions are recognized in the period in which the contributions are due. The Authority's employer contributions are recognized when due and the Authority has a legal requirement to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the state-administered defined benefit pension plans. Investments are reported at fair value.

2. Detail Notes On All Funds

Assets

Deposits

All of the Authority's deposits are either insured or collateralized by using one of two methods. Under the Dedicated Method, all deposits exceeding the federal depository insurance coverage level are collateralized with securities held by the Authority's agents in the unit's name. Under the Pooling Method, which is a collateral pool, all uninsured deposits are collateralized with securities held by the State Treasurer's agent in the name of the State Treasurer. Since the State Treasurer is acting in a fiduciary capacity for the Authority, these deposits are considered to be held by their agents in the Authority's name. The amount of the pledged collateral is based on an approved averaging method for non-interest bearing deposits and the actual current balance for interest-bearing deposits. Depositories using the Pooling Method report to the State Treasurer the adequacy of their pooled collateral covering uninsured deposits. The State Treasurer does not confirm this information with the Authority, or with the escrow agent. Because of the inability to measure the exact amount of collateral pledged for the Authority, under the Pooling Method, the potential exists for undercollateralization, and this risk may increase in periods of high cash flows. However, the State Treasurer of North Carolina enforces strict standards of financial stability for each depository that collateralizes public deposits under the Pooling Method. The Authority has no policy regarding custodial credit risk for deposits but relies on the State Treasurer to enforce Standards for minimum capitalization for all pooling method financial institutions and to monitor them for compliance. The Authority complies with the provisions of G.S. 159-31 when designating official depositories and verifying that deposits are properly secured.

At June 30, 2015, the Authority's deposits had a carrying amount of \$26,141,191 and a bank balance of \$26,248,464. Of the bank balance, \$2,280,139 was covered by federal depository insurance, and \$23,968,325 in deposits was covered by collateral held under the Pooling Method. The Authority had cash on hand of \$2,696 at June 30, 2015.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

At June 30, 2014, the Authority's deposits had a carrying amount of \$18,221,113 and a bank balance of \$18,271,875. Of the bank balance, \$2,276,610 was covered by federal depository insurance, and \$15,995,265 in interest-bearing deposits was covered by collateral held under the Pooling Method. The Authority had cash on hand of \$2,590 at June 30, 2014.

Cash Equivalents

At June 30, 2015 and 2014, the Authority's cash equivalents balances at fair value were as follows:

	<u>2015</u>	<u>2014</u>
The North Carolina Capital Management Trust, a mutual fund	<u>\$ 6,574,593</u>	<u>\$ 6,456,188</u>

Interest Rate Risk. The Authority does not have a formal investment policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates. The NCCMT had a weighted-average maturity of 36 days or less as of June 30, 2015 and 2014.

Credit Risk. The Authority has no policy regarding credit risk. State law limits investments in commercial paper to the top rating issued by nationally recognized statistical rating organizations ("NRSROs"). The Authority's investment in the NCCMT Cash Portfolio carried a credit rating of AAA by Standard & Poor's as of June 30, 2015 and 2014.

Receivables

Receivables, net of allowances for uncollectible accounts, at June 30, 2015 and 2014 were as follows:

	<u>2015</u>	<u>2014</u>
Utility accounts receivable	\$ 4,263,327	\$ 3,951,505
Other receivable	959,285	627,438
Total receivables, net	<u>\$ 5,222,612</u>	<u>\$ 4,578,943</u>

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Capital Assets

A summary of changes in the Authority's capital assets follows:

	Balance			Balance	
	July 1, 2014	Increases	Decreases	Transfers	June 30, 2015
Non-Depreciable Assets:					
Land	\$ 17,605,354	\$ -	\$ -	\$ -	\$ 17,605,354
Construction in progress	25,151,693	7,715,971	-	(6,852,527)	26,015,137
Total non-depreciable assets	<u>42,757,047</u>	<u>7,715,971</u>	<u>-</u>	<u>(6,852,527)</u>	<u>43,620,491</u>
Depreciable Assets:					
Water treatment and distribution	155,949,936	796,058	(358,380)	4,363,482	160,751,096
Sewer collection and treatment	197,654,384	658,950	-	1,945,603	200,258,937
Fixtures and equipment	41,862,800	695,845	(13,500)	543,442	43,088,587
Total depreciable assets	<u>395,467,120</u>	<u>2,150,853</u>	<u>(371,880)</u>	<u>6,852,527</u>	<u>404,098,620</u>
Less Accumulated Depreciation:					
Water treatment and distribution	53,728,977	3,565,786	(210,596)	-	57,084,167
Sewer collection and treatment	55,244,614	4,325,594	-	-	59,570,208
Fixtures and equipment	29,574,660	1,492,930	(7,321)	-	31,060,269
Total accumulated depreciation	<u>138,548,251</u>	<u>\$ 9,384,310</u>	<u>\$ (217,917)</u>	<u>\$ -</u>	<u>147,714,644</u>
Total depreciable assets	<u>256,918,869</u>				<u>256,383,976</u>
Capital assets, net	<u><u>\$ 299,675,916</u></u>				<u><u>\$ 300,004,467</u></u>

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

	<u>Balance</u> <u>July 1, 2013</u>	<u>Increases</u>	<u>Decreases</u>	<u>Transfers</u>	<u>Balance</u> <u>June 30, 2014</u>
Non-Depreciable Assets:					
Land	\$ 17,587,841	\$ 17,513	\$ -	\$ -	\$ 17,605,354
Construction in progress	<u>13,072,882</u>	<u>16,603,715</u>	<u>-</u>	<u>(4,524,904)</u>	<u>25,151,693</u>
Total non-depreciable assets	<u>30,660,723</u>	<u>16,621,228</u>	<u>-</u>	<u>(4,524,904)</u>	<u>42,757,047</u>
Depreciable Assets:					
Water treatment and distribution	154,190,679	339,661	-	1,419,596	155,949,936
Sewer collection and treatment	<u>194,369,851</u>	<u>179,225</u>	<u>-</u>	<u>3,105,308</u>	<u>197,654,384</u>
Fixtures and equipment	<u>41,501,846</u>	<u>437,884</u>	<u>(76,930)</u>	<u>-</u>	<u>41,862,800</u>
Total depreciable assets	<u>390,062,376</u>	<u>956,770</u>	<u>(76,930)</u>	<u>4,524,904</u>	<u>395,467,120</u>
Less Accumulated Depreciation:					
Water treatment and distribution	50,198,324	3,530,653	-	-	53,728,977
Sewer collection and treatment	<u>50,986,962</u>	<u>4,257,652</u>	<u>-</u>	<u>-</u>	<u>55,244,614</u>
Fixtures and equipment	<u>27,997,239</u>	<u>1,605,434</u>	<u>(28,013)</u>	<u>-</u>	<u>29,574,660</u>
Total accumulated depreciation	<u>129,182,525</u>	<u>\$ 9,393,739</u>	<u>\$ (28,013)</u>	<u>\$ -</u>	<u>138,548,251</u>
Total depreciable assets	<u>260,879,851</u>				<u>256,918,869</u>
Capital assets, net	<u>\$ 291,540,574</u>				<u>\$ 299,675,916</u>

Net Investment in Capital Assets

The total net investment in capital assets is composed of the following elements:

	<u>2015</u>	<u>2014</u>
Capital assets	\$ 300,004,467	\$ 299,675,916
Total debt, gross	(84,079,175)	(82,408,163)
Deferred charge related to debt	<u>2,496,464</u>	<u>2,254,961</u>
Net investment in capital assets	<u>\$ 218,421,756</u>	<u>\$ 219,522,714</u>

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Long-Term Debt

Long-term debt as of June 30, 2015 and 2014 consists of the following:

	2015	2014
Revenue Bonds:		
Revenue bonds payable, Series 2014 Refunding Revenue Serial Bonds, in the amount of \$15,695,000, issued December 18, 2014, with coupon rates of 3.0% and 5.0%, final maturity July 2031, net of unamortized premium of \$1,496,256 at June 30, 2015	\$ 15,695,000	-
Revenue bonds payable, Series 2010 Refunding Revenue Serial Bonds, in the amount of \$21,645,000, issued September 30, 2010, with coupon rates of 3.0% and 5.0%, final maturity July 2026, net of unamortized premium of \$1,132,264 at June 30, 2015	20,195,000	21,437,728
Revenue bonds payable, Series 2006 Revenue Serial Bonds, in the amount of \$15,500,000, issued October 26, 2006, with coupon rates of 4.0% and 5.0%, final maturity July 2026, net of unamortized premium of \$417,587 at June 30, 2015; revenue bonds payable, Series 2006 Revenue Term Bonds, in the amount of \$6,785,000, issued October 26, 2006, with an interest rate of 5.0%, due in full July 2031	1,485,000	19,058,154
Revenue and revenue refunding bonds payable, Series 2005, issued June 9, 2005, with coupon rates of 3.5% to 5.0%, final maturity July 2020, net of unamortized premium and deferred refunding loss of \$85,995, at June 30, 2015	13,335,000	15,256,805

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

	<u>2015</u>	<u>2014</u>
Revenue Bonds (continued):		
Revenue bonds payable, Series 2004A Revenue Bonds, in the amount of \$21,265,000, issued June 1, 2004, with coupon rates of 3.0% and 5.25%, final maturity July 2021; revenue bonds payable, Series 2004B Revenue Bonds, in the amount of \$20,000,000, issued June 1, 2004, bearing a weekly interest rate determined by a remarketing agent (0.37% at June 30, 2010), final maturity July 1, 2029	20,000,000	21,395,000

	<u>2015</u>	<u>2014</u>
Revenue and revenue refunding bonds payable, Series 2003, issued April 9, 2003, with coupon rates of 2.5% to 5.0%, final maturity July 2016, net of unamortized premium and deferred refunding loss of \$52,243 at June 30, 2015	2,200,000 <u>\$ 72,910,000</u>	3,005,514 <u>\$ 80,153,201</u>

	<u>2015</u>	<u>2014</u>
Note Payable:		
Note payable to NCDENR in the amount of \$6,560,000 issued October 4, 2014, interest at 0%, Federal Revolving Loan, beginning May 2015, payable in annual installments of \$328,000, with a final payment due in May 2034	<u>\$ 6,232,000</u>	<u>\$ -</u>

Bond payable maturities are as follows:

Year Ending	Amortization of Premiums and Deferred Refunding				
	June 30	Maturities	Losses	Total	Interest
2016	\$ 6,010,000	\$ 7,987	\$ 6,017,987	\$ 7,410,875	
2017	5,050,000	140,258	5,190,258	7,146,525	
2018	4,700,000	197,421	4,897,421	7,581,319	
2019	4,915,000	197,421	5,112,421	7,322,100	
2020	5,165,000	197,421	5,362,421	7,061,409	
2021-2025	22,535,000	1,073,100	23,608,100	29,580,169	
2026-2030	21,815,000	548,392	22,363,392	12,224,204	
2031-2032	2,720,000	78,711	2,798,711	257,050	
Total	<u>\$ 72,910,000</u>	<u>\$ 2,440,711</u>	<u>\$ 75,350,711</u>	<u>\$ 78,583,651</u>	

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Note payable maturities are as follows:

Year Ending		Maturities	Interest	Total
June 30				
2016	\$ 328,000	\$ -	\$ 328,000	
2017	328,000	-	328,000	
2018	328,000	-	328,000	
2019	328,000	-	328,000	
2020	328,000	-	328,000	
2021-2025	1,640,000	-	1,640,000	
2026-2030	1,640,000	-	1,640,000	
2031-2034	<u>1,312,000</u>	<u>-</u>	<u>1,312,000</u>	
Total	<u><u>\$ 6,232,000</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 6,232,000</u></u>	

Advance Refunding

On December 18, 2014, the Authority issued \$15,695,000 of Series 2014 revenue bonds to provide resources that were placed in an irrevocable trust to be used for all future debt service payments of \$16,430,000 of Series 2006 revenue bonds. As a result, the refunded bonds are considered to be defeased and the liability has been removed from the statement of net position. The reacquisition price exceeded the net carrying amount of the old debt by \$561,010. This amount is being amortized over the life of the refunded debt, which is shorter than the life of the new debt issued. This advanced refunding was undertaken to reduce total debt service payments over the next 17 years by \$1,984,121 and resulted in an economic gain of \$1,596,310.

Long-term liability activity for the years ended June 30, 2015 and 2014 is as follows:

	Balance	July 1, 2014	Additions	Retirements	Balance	Due Within
					June 30, 2015	One Year
Notes Payable	\$ -	\$ 6,560,000	\$ 328,000	\$ 6,232,000	\$ 328,000	
Bonds Payable:						
Revenue bonds	78,675,000	15,695,000	21,460,000	72,910,000	6,010,000	
For issuance premiums	3,733,163	2,057,864	853,852	4,937,175	386,696	
Compensated absences	491,731	435,560	410,428	516,863	420,000	
Net Pension Liability (LGERS)	1,433,202	-	1,433,202	-	-	
OPEB	5,456,202	594,245	221,252	5,829,195	-	
Total	<u>\$ 89,789,298</u>	<u>\$ 25,342,669</u>	<u>\$ 24,706,734</u>	<u>\$ 90,425,233</u>	<u>\$ 7,144,696</u>	

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

	<u>Balance</u> <u>July 1, 2013</u>	<u>Additions</u>	<u>Retirements</u>	<u>Balance</u> <u>June 30, 2014</u>	<u>Due Within</u> <u>One Year</u>
Bonds Payable:					
Revenue bonds	\$ 83,845,000	\$ -	\$ 5,170,000	\$ 78,675,000	\$ 5,030,000
For issuance premiums	4,160,909	-	427,746	3,733,163	386,696
Compensated absences	481,203	454,550	444,022	491,731	450,000
OPEB	4,443,670	1,169,656	157,124	5,456,202	-
Total	<u>\$ 92,930,782</u>	<u>\$ 1,624,206</u>	<u>\$ 6,198,892</u>	<u>\$ 88,356,096</u>	<u>\$ 5,866,696</u>

The LGERS plan had a net pension asset as of June 30, 2015; however, the plan had a net pension liability at the beginning of the fiscal year.

The Authority has pledged future water and sewer customer revenues, net of specified operating expenses, to repay \$72,910,000 in revenue bonds issued in 2001, 2003, 2004, 2005, 2006, 2010, and 2014. Proceeds from the bonds were used for rehabilitation or expansion of the Authority's water and sewer systems. Annual principal and interest payments are expected to require less than 23% of net revenues. Principal and interest on the bonds are payable through 2032, solely from the water and sewer customer net revenues. The total principal and interest remaining to be paid on the bonds is \$151,493,651. Principal and interest paid in the years ended June 30, 2015 and 2014 were \$7,248,946 and \$8,492,935, respectively and total customer net revenues for the years ended June 30, 2015 and 2014 were \$36,960,842 and \$35,843,032, respectively.

The Authority is in compliance with the covenants to rates, fees, rentals, and charges in the Bond Order, authorizing the issuance of the Water and Sewer Revenue Bonds, Series 2001, 2003, 2004, 2005, 2006, 2010, and 2014. The Bond Order requires the debt service coverage ratio to be no less than 120% of the debt service requirements for parity indebtedness.

The debt service coverage ratio calculation for the year ended June 30, 2015, is as follows:

Operating revenues and charges for services	\$ 38,405,219
Operating expenses*	<u>18,999,642</u>
Income available for debt service	<u>\$ 19,405,577</u>
Debt service, principal and interest paid	<u>\$ 7,248,946</u>
Debt service coverage ratio for parity debt	<u>267.70%</u>

*Per rate covenants, this does not include depreciation, amortization, interest expense, or OPEB.

The above debt service amount for principal and interest paid excludes partial refunding in the current year. At June 30, 2015, the Authority was in compliance with the bond covenants described above.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

3. Pension Plan Obligations

Local Governmental Employees' Retirement System

Plan Description. The Authority is a participating employer in the statewide Local Governmental Employees' Retirement System (LGERS), a cost-sharing multiple-employer defined benefit pension plan administered by the State of North Carolina. LGERS membership is comprised of general employees and local law enforcement officers (LEOs) of participating local governmental entities. Article 3 of G.S. Chapter 128 assigns the authority to establish and amend benefit provisions to the North Carolina General Assembly. Management of the plan is vested in the LGERS Board of Trustees, which consists of 13 members – nine appointed by the Governor, one appointed by the state Senate, one appointed by the state House of Representatives, and the State Treasurer and State Superintendent, who serve as ex-officio members. The Local Governmental Employees' Retirement System is included in the Comprehensive Annual Financial Report (CAFR) for the State of North Carolina. The State's CAFR includes financial statements and required supplementary information for LGERS. That report may be obtained by writing to the Office of the State Controller, 1410 Mail Service Center, Raleigh, North Carolina 27699-1410, by calling (919) 981-5454, or at www.osc.nc.gov.

Benefits Provided. LGERS provides retirement and survivor benefits. Retirement benefits are determined as 1.85% of the member's average final compensation times the member's years of creditable service. A member's average final compensation is calculated as the average of a member's four highest consecutive years of compensation. Plan members are eligible to retire with full retirement benefits at age 65 with five years of creditable service, at age 60 with 25 years of creditable service, or at any age with 30 years of creditable service. Plan members are eligible to retire with partial retirement benefits at age 50 with 20 years of creditable service or at age 60 with five years of creditable service (age 55 for firefighters). Survivor benefits are available to eligible beneficiaries of members who die while in active service or within 180 days of their last day of service and who have either completed 20 years of creditable service regardless of age (15 years of creditable service for firefighters and rescue squad members who are killed in the line of duty) or have completed five years of service and have reached age 60. Eligible beneficiaries may elect to receive a monthly Survivor's Alternate Benefit for life or a return of the member's contributions. The plan does not provide for automatic post-retirement benefit increases. Increases are contingent upon actuarial gains of the plan.

LGERS plan members who are LEOs are eligible to retire with full retirement benefits at age 55 with five years of creditable service as an officer, or at any age with 30 years of creditable service. LEO plan members are eligible to retire with partial retirement benefits at age 50 with 15 years of creditable service as an officer. Survivor benefits are available to eligible beneficiaries of LEO members who die while in active service or within 180 days of their last day of service and who also have either completed 20 years of creditable service regardless of age, or have completed 15 years of service as a LEO and have reached age 50, or have completed five years of creditable service as a LEO and have reached age 55, or have completed 15 years of creditable service as a LEO if killed in the line of duty. Eligible beneficiaries may elect to receive a monthly Survivor's Alternate Benefit for life or a return of the member's contributions.

Contributions. Contribution provisions are established by General Statute 128-30 and may be

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

amended only by the North Carolina General Assembly. Authority employees are required to contribute 6% of their compensation. Employer contributions are actuarially determined and set annually by the LGERS Board of Trustees. The Authority's contractually required contribution rate for the year ended June 30, 2015, was 7.07% of compensation for general employees, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year. Contributions to the pension plan from the Authority were \$519,888, for the year ended June 30, 2015.

Refunds of Contributions – Authority employees who have terminated service as a contributing member of LGERS, may file an application for a refund of their contributions. By state law, refunds to members with at least five years of service include 4% interest. State law requires a 60 day waiting period after service termination before the refund may be paid. The acceptance of a refund payment cancels the individual's right to employer contributions or any other benefit provided by LGERS.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2015, the Authority reported an asset of \$709,819 for its proportionate share of the net pension asset. The net pension asset was measured as of June 30, 2014. The total pension liability used to calculate the net pension asset was determined by an actuarial valuation as of December 31, 2013. The total pension liability was then rolled forward to the measurement date of June 30, 2014 utilizing update procedures incorporating the actuarial assumptions. The Authority's proportion of the net pension asset was based on a projection of the Authority's long-term share of future payroll covered by the pension plan, relative to the projected future payroll covered by the pension plan of all participating LGERS employers, actuarially determined. At June 30, 2014, the Authority's proportion was .1204%, which was an increase of .0015% from its proportion measured as of June 30, 2013.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

For the year ended June 30, 2015, the Authority recognized pension expense of \$56,343. At June 30, 2015, the Authority reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$ -	\$ 77,560
Net difference between projected and actual earnings on pension plan investments	-	1,652,442
Changes in proportion and differences between employer contributions and proportionate share of contributions	47,246	-
Employer contributions subsequent to the measurement date	519,888	-
Total	<u>\$ 567,134</u>	<u>\$ 1,730,002</u>

\$519,888 reported as deferred outflows of resources related to pensions resulting from Authority contributions subsequent to the measurement date will be recognized as an increase of the net pension asset in the year ended June 30, 2016. Other amounts reported as deferred inflows and outflows of resources related to pensions will be recognized in pension expense as follows:

Year Ended June 30:

2016	\$ (420,708)
2017	(420,708)
2018	(420,708)
2019	(420,632)
	<u>\$ (1,682,756)</u>

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Actuarial Assumptions. The total pension liability in the December 31, 2013 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	3.0 percent
Salary increases	4.25 to 8.55 percent, including inflation and productivity factor
Investment rate of return	7.25 percent, net of pension plan investment expense, including inflation

The plan currently uses mortality tables that vary by age, gender, employee group (i.e. general, law enforcement officer) and health status (i.e. disabled and healthy). The current mortality rates are based on published tables and based on studies that cover significant portions of the U.S. population. The mortality rates also contain a provision to reflect future mortality improvements.

The actuarial assumptions used in the December 31, 2013 valuation were based on the results of an actuarial experience study for the period January 1, 2005 through December 31, 2009.

Future ad hoc Cost of Living Adjustment amounts are not considered to be substantively automatic and are therefore not included in the measurement.

The projected long-term investment returns and inflation assumptions are developed through review of current and historical capital markets data, sell-side investment research, consultant whitepapers, and historical performance of investment strategies. Fixed income return projections reflect current yields across the U.S. Treasury yield curve and market expectations of forward yields projected and interpolated for multiple tenors and over multiple year horizons. Global public equity return projections are established through analysis of the equity risk premium and the fixed income return projections. Other asset categories and strategies' return projections reflect the foregoing and historical data analysis. These projections 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. The target allocation and best estimates of arithmetic real rates of return for each major asset class as of June 30, 2014 are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Fixed Income	36.0%	2.5%
Global Equity	40.5%	6.1%
Real Estate	8.0%	5.7%
Alternatives	6.5%	10.5%
Credit	4.5%	6.8%
Inflation Protection	4.5%	3.7%
Total	100%	

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

The information above is based on 30 year expectations developed with the consulting actuary for the 2013 asset liability and investment policy study for the North Carolina Retirement Systems, including LGERS. The long-term nominal rates of return underlying the real rates of return are arithmetic annualized figures. The real rates of return are calculated from nominal rates by multiplicatively subtracting a long-term inflation assumption of 3.19%. All rates of return and inflation are annualized.

A new asset allocation policy was finalized during the fiscal year ended June 30, 2014 to be effective July 1, 2014. The new asset allocation policy utilizes different asset classes, changes in the structure of certain asset classes, and adopts new benchmarks. Using the asset class categories in the preceding table, the new long-term expected arithmetic real rates of return are: Fixed Income 2.2%, Global Equity 5.8%, Real Estate 5.2%, Alternatives 9.8%, Credit 6.8% and Inflation Protection 3.4%.

Discount rate. The discount rate used to measure the total pension liability was 7.25%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current contribution rate and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of the 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.

Sensitivity of the Authority's proportionate share of the net pension asset to changes in the discount rate. The following presents the Authority's proportionate share of the net pension asset calculated using the discount rate of 7.25 percent, as well as what the Authority's proportionate share of the net pension asset or net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (6.25 percent) or 1-percentage-point higher (8.25 percent) than the current rate:

	Current		
	1% Decrease	Discount	1% Increase
	<u>(6.25%)</u>	<u>Rate (7.25%)</u>	<u>(8.25%)</u>

Sensitivity of the net pension liability
(asset) to changes in the discount rate \$ 2,409,431 \$ (709,819) \$ (3,336,126)

Pension plan fiduciary net position. Detailed information about the pension plan's fiduciary net position is available in the separately issued Comprehensive Annual Financial Report (CAFR) for the State of North Carolina.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Other Post-Employment Benefits (OPEB)

Plan Description. The Authority administers a single-employer defined benefit plan (the OPEB plan) that provides health and life insurance benefits to eligible retirees. An employee who retires with 30 or more years of service, or is at least age 60 with at least 10 years of service may continue in the Authority's group health plan until death. Eligible retirees are also provided life insurance coverage of \$5,000. Retiree cost sharing is as follows: For retirees age 60 with 10 to 15 years of service, the retiree pays 50% of the retiree premium. For retirees age 60 with 15 to 20 years of service, the retiree pays 25% of the retiree premium. For retirees age 60 with 20 or more years of service, the retiree pays 0% of the retiree premium. There is no spousal coverage provided. The Authority may amend the benefit provisions at any time. Coverage for all retirees who are eligible for Medicare will be transferred to a Medicare Supplemental plan after qualifying for Medicare. A separate stand-alone report is not issued.

All active full-time employees are eligible for membership. At December 31, 2014, the plan membership consisted of:

Members	
Inactive	31
Active	126
Total	157

Funding Policy. The Authority plan members pay their share of the cost of coverage (premiums) for healthcare benefits provided to qualified retirees. The Authority has chosen to fund the plan benefits on a pay-as-you-go basis. The Authority contributed \$221,252 or 3.1% and \$157,124 or 2.2% of the annual covered payroll during the years ending June 30, 2015 and 2014, respectively.

The current annual required contribution (ARC) rate is 8% of annual covered payroll. For the current year, the Authority contributed \$221,252 or 3.1% of annual covered payroll. The Authority obtains healthcare coverage through private insurers. There were no contributions made by employees. The Authority's obligation to contribute to the Plan is established and may be amended by the Board of Directors.

Summary of Significant Accounting Policies. Post-employment expenses are made from the Enterprise Fund, which is maintained on the accrual basis of accounting. No funds are set aside to pay benefits and administration costs. These expenses are paid as they come due.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Annual OPEB Cost and Net OPEB Obligation

The Authority's annual OPEB cost (expense) is calculated based on the annual required contribution of the employer (ARC), an amount actuarially determined in accordance with the parameters of GASB Statement 45. The ARC represents a level of funding that, if paid on an ongoing basis is projected to cover normal cost each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed 30 years. The following table shows the components of the Authority's annual OPEB cost for the year, the amount actually contributed to the plan, and changes in the Authority's net OPEB obligation:

	2015	2014
Employer annual required contribution	\$ 584,492	\$ 1,163,000
Interest paid on OPEB obligation	218,248	199,965
Adjustment to annual required contribution	<u>(208,495)</u>	<u>(193,309)</u>
Annual OPEB cost	594,245	1,169,656
Employer contributions made		
for current fiscal year	<u>221,252</u>	<u>157,124</u>
Increase in net OPEB obligation	372,993	1,012,532
Net OPEB obligation:		
Beginning of year - July 1	<u>5,456,202</u>	<u>4,443,670</u>
End of year - June 30	<u>\$ 5,829,195</u>	<u>\$ 5,456,202</u>

The Authority's annual OPEB cost, the percentage of annual OPEB cost contributed to the plan, and the net OPEB obligation for 2015 were as follows:

Year Ended June 30	Annual Plan Cost (APC)	Percentage of APC Contributed	Net OPEB Obligation End of Year
2013	\$ 1,166,553	10.98%	\$ 3,410,521
2014	1,168,108	11.55%	4,443,670
2015	594,245	37.23%	5,829,195

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

Funded Status and Funding Progress. As of December 31, 2014, the most recent actuarial valuation date, the plan was not funded. The actuarial accrued liability for benefits and, thus, the unfunded actuarial accrued liability (UAAL) was \$9,341,682. The covered payroll (annual payroll of active employees covered by the plan) was \$7,247,100, and the ratio of UAAL to the covered payroll was 128.9 percent. Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and healthcare trends.

Amounts determined regarding the funded status of the plan and the annual required contributions of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The Schedule of Funding Progress, presented as required supplementary information following the notes to the financial statements, presents multi-year trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

Actuarial Methods and Assumptions. Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and the plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing the benefit costs between the employer and the plan members at that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

In the December 31, 2014 actuarial valuation, the Projected Unit Credit cost method was used. The actuarial assumptions included a 4% investment rate of return which is the expected long-term investment returns on the employer's own investments calculated based on the funded level of the plan at the valuation date, and an annual medical cost trend increase of 7.5% to 5% annually. Both rates included a 3% inflation assumption. There are no assets set aside for these benefits. The plan is funded on a pay-as-you-go basis. The actuarial value of assets, if any, was determined using techniques that spread the efforts of short-term volatility in the market value of investments over a five-year period. The UAAL is being amortized as a level percentage of projected payroll on an open basis. The remaining amortization period at December 31, 2014 was 30 years.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

4. Deferred Outflows and Inflows of Resources

The Authority has several deferred outflows of resources comprised of the following:

Deferred Outflows:

Contributions to pension plan in	
current fiscal year	\$ 519,888
Pension deferrals	47,246
Charge on refunding	<u>2,496,464</u>
Total	<u>\$ 3,063,598</u>

Deferred inflows of resources at year-end are comprised of \$1,730,002 of pension deferrals.

5. Risk Management and Commitments

Risk Management. The Authority is exposed to various risks of losses related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees and natural disasters. The Authority has property, general liability, workers' compensation, and employee health coverage. Claims have not exceeded coverage in any of the past three fiscal years. The Authority currently does not carry flood insurance.

In accordance with G.S. 159-29, the Authority's employees that have access to \$100 or more at any given time of the Authority's funds are performance bonded through a commercial surety bond. The Finance Officer is individually bonded for \$200,000. The remaining employees that have access to funds are bonded under a blanket bond for \$200,000.

Commitments. The Authority is committed under various contracts for the completion of water and wastewater treatment facilities and other water and sewer projects. Management estimates the cost to complete these contracts to be approximately \$2,692,105 at June 30, 2015.

ORANGE WATER AND SEWER AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2015

6. Net Position

At June 30, 2015 and 2014, the Board of Directors had approved the use of the unrestricted net position for the following purposes:

	2015	2014
Operating reserve	\$ 8,642,600	\$ 8,642,600
Other reserves	3,900,000	3,900,000
Capital projects	14,356,907	6,144,092
Total	<u>\$ 26,899,507</u>	<u>\$ 18,686,692</u>

7. Summary Disclosure of Significant Contingencies

Federal and State-Assisted Programs

The Authority has received proceeds from federal and State grants. Periodic audits of these grants are required and certain costs may be questioned as not being appropriate expenditures under the grant agreements. Such audits could result in the refund of grant monies to the grantor agencies. Management believes that any required refunds will be immaterial. No provisions have been made in the accompanying financial statements for the refund of grant monies.

8. Change in Accounting Principles/Restatement

The Authority implemented Governmental Accounting Standards Board (GASB) statement 68, *Accounting and Financial Reporting for Pensions (an amendment of GASB Statement No. 27)*, in the fiscal year ending June 30, 2015. The implementation of the statement required the Authority to record beginning net pension liability and the effects on net position of contributions made by the Authority during the measurement period (fiscal year ending June 30, 2014). As a result, net position decreased by \$916,593.

It was not practical for the Authority to determine the amounts of all deferred inflows of resources and deferred outflows of resources related to pensions, as applicable, at the beginning of the period when the provisions of GASB statement 68 was adopted. The June 30, 2014 financial statements and related notes have not been restated. The cumulative effect of applying GASB statement 68 is reported as a restatement to the July 1, 2014 beginning net position.

ORANGE WATER AND SEWER AUTHORITY

OTHER POST-EMPLOYMENT BENEFITS REQUIRED SUPPLEMENTARY INFORMATION FOR THE YEAR ENDED JUNE 30, 2015

Schedule of Funding Progress

Actual Valuation Date	Actuarial Accrued				UAAL as a Percentage of Covered Payroll	
	Actuarial Value of Assets	Liability (AAL) - Projected Unit Credit	Unfunded AAL (UAAL)	Funded Ratio (a)/(b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b)-(a))/(c)
	(a)	(b)	(b)-(a)	(a)/(b)	(c)	((b)-(a))/(c)
07/01/2007	\$ -	\$ 9,918,000	\$ 9,918,000	0.00%	\$ 6,375,000	155.60%
07/01/2009	-	12,597,000	12,597,000	0.00%	5,924,000	212.60%
12/31/2011	-	6,741,739	6,741,739	0.00%	7,074,967	95.29%
12/31/2014	-	9,341,682	9,341,682	0.00%	7,247,100	128.90%

Schedule of Employer Contributions

Year Ended	Annual Required Contribution (ARC)		Percentage of ARC Contributed
06/30/2010	\$ 944,000		6.00%
06/30/2011		1,124,000	17.00%
06/30/2012		1,163,000	11.00%
06/30/2013		1,163,000	11.60%
06/30/2014		1,163,000	11.60%
06/30/2015		584,492	37.85%

Notes to the Required Schedules:

The information presented above was determined as part of the actuarial valuation at the dates indicated. Additional information as of the latest valuation follows:

Valuation date	12/31/2014	
Actuarial cost method	Projected unit credit	
Amortization method	Level percentage of pay, open	
Remaining amortization period	30 years	
Asset valuation method	Market value of assets	
Actuarial assumptions:		
Investment rate of return *	4.00%	* Includes inflation at 3%
Medical cost trend rate	7.50-5.00%	
Year of Ultimate trend rate	2020	

ORANGE WATER AND SEWER AUTHORITY

PROPORTIONATE SHARE OF NET PENSION LIABILITY (ASSET)
REQUIRED SUPPLEMENTARY INFORMATION
LAST TWO FISCAL YEARS *

LOCAL GOVERNMENTAL EMPLOYEES' RETIREMENT SYSTEM

	2015	2014
Authority's proportion of the net pension liability (asset) (%)	0.1204%	0.1189%
Authority's proportion of the net pension liability (asset) (\$)	\$ (709,819)	\$ 1,433,202
Authority's covered-employee payroll	\$ 7,297,821	\$ 6,909,854
Authority's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll	(9.73%)	20.74%
Plan fiduciary net position as a percentage of the total pension liability	102.64%	94.35%

* The amounts presented for each fiscal year were determined as of the prior fiscal year ending June 30.

ORANGE WATER AND SEWER AUTHORITY

CONTRIBUTIONS

REQUIRED SUPPLEMENTARY INFORMATION

LAST TWO FISCAL YEARS

LOCAL GOVERNMENTAL EMPLOYEES' RETIREMENT SYSTEM

	2015	2014
Contractually required contribution	\$ 519,888	\$ 516,608
Contributions in relation to the contractually required contribution	<u>519,888</u>	<u>516,608</u>
Contribution deficiency (excess)	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>
 Covered-employee payroll	 \$ 7,352,374	 \$ 7,297,821
Contributions as a percentage of covered-employee payroll	7.07%	7.08%

ORANGE WATER AND SEWER AUTHORITY

ENTERPRISE FUND - WATER

SCHEDULE OF REVENUES AND EXPENDITURES

BUDGET AND ACTUAL (NON-GAAP)

FOR THE YEAR ENDED JUNE 30, 2015

	Final Budget	Actual	Variance Over/Under
Revenues:			
Operating revenues:			
Water	\$ 17,859,444	\$ 18,291,453	\$ 432,009
Sewer	16,637,114	16,739,718	102,604
Reclaimed water	458,816	411,122	(47,694)
Service initiation fees	166,269	167,410	1,141
Other	1,028,089	1,351,139	323,050
Total operating revenues	<u>36,149,732</u>	<u>36,960,842</u>	<u>811,110</u>
Non-operating revenues:			
Interest income	13,763	15,133	1,370
Customer fees	653,117	1,429,244	776,127
Grants and contributions	-	2,320	2,320
Total non-operating revenues	<u>666,880</u>	<u>1,446,697</u>	<u>779,817</u>
Total revenues	<u>36,816,612</u>	<u>38,407,539</u>	<u>1,590,927</u>
Expenditures:			
Water supply and treatment:			
Salaries and wages	1,320,856	1,271,399	49,457
Fringe benefits	533,541	467,982	65,559
Materials and supplies	162,629	132,991	29,638
Chemicals	1,057,465	1,075,224	(17,759)
Utilities	387,842	372,716	15,126
Maintenance	1,030,392	952,382	78,010
Professional services	162,900	141,410	21,490
Insurance	-	105,546	(105,546)
Communication	5,000	2,011	2,989
Education and development	10,000	19,672	(9,672)
Miscellaneous	14,500	12,158	2,342
Total water supply and treatment	<u>4,685,125</u>	<u>4,553,491</u>	<u>131,634</u>

ORANGE WATER AND SEWER AUTHORITY

ENTERPRISE FUND - WATER
SCHEDULE OF REVENUES AND EXPENDITURES
BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2015

	Final Budget	Actual	Variance Over/Under
Water distribution:			
Salaries and wages	1,352,842	1,381,692	(28,850)
Fringe benefits	614,691	574,373	40,318
Materials and supplies	85,863	67,510	18,353
Utilities	178,400	183,265	(4,865)
Maintenance	453,020	619,295	(166,275)
Professional services	8,800	-	8,800
Insurance	-	6,614	(6,614)
Communication	1,500	2,720	(1,220)
Printing and reproduction	1,000	1,009	(9)
Education and development	12,070	9,040	3,030
Miscellaneous	4,100	2,002	2,098
Total water distribution	2,712,286	2,847,520	(135,234)
Construction credits	(128,750)	(65,031)	(63,719)
Wastewater treatment:			
Salaries and wages	1,281,901	1,259,431	22,470
Fringe benefits	523,420	461,506	61,914
Materials and supplies	295,641	176,841	118,800
Chemicals	670,558	736,550	(65,992)
Utilities	972,080	908,012	64,068
Maintenance	862,071	691,769	170,302
Professional services	227,400	29,168	198,232
Insurance	-	132,957	(132,957)
Communication	9,100	7,346	1,754
Education and development	20,000	17,303	2,697
Miscellaneous	32,000	36,406	(4,406)
Total wastewater treatment	4,894,171	4,457,289	436,882

ORANGE WATER AND SEWER AUTHORITY

ENTERPRISE FUND - WATER
SCHEDULE OF REVENUES AND EXPENDITURES
BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2015

	Final Budget	Actual	Variance Over/Under
Sewer collections:			
Salaries and wages	476,015	482,938	(6,923)
Fringe benefits	226,019	197,669	28,350
Materials and supplies	49,639	35,793	13,846
Chemicals	200,000	198,613	1,387
Utilities	139,687	128,312	11,375
Maintenance	203,608	201,983	1,625
Professional services	8,800	-	8,800
Insurance	-	7,783	(7,783)
Communication	700	747	(47)
Printing and distribution	500	-	500
Education and development	10,240	7,265	2,975
Miscellaneous	3,900	3,021	879
Total sewer collections	<u>1,319,108</u>	<u>1,264,124</u>	<u>54,984</u>
Construction credits	<u>-</u>	<u>(9,734)</u>	<u>9,734</u>
General and administrative:			
Salaries and wages	2,943,987	2,957,647	(13,660)
Fringe benefits	1,225,484	1,091,688	133,796
Materials and supplies	140,190	111,085	29,105
Utilities	190,791	199,288	(8,497)
Maintenance	306,705	280,522	26,183
Professional services	1,127,875	921,186	206,689
Insurance	-	34,303	(34,303)
Communication	141,597	147,378	(5,781)
Printing and reproduction	7,200	3,650	3,550
Education and development	88,700	72,935	15,765
Miscellaneous	125,867	207,580	(81,713)
Total general and administrative	<u>6,298,396</u>	<u>6,027,262</u>	<u>271,134</u>
Construction credits	<u>(36,549)</u>	<u>(50,147)</u>	<u>13,598</u>

ORANGE WATER AND SEWER AUTHORITY

ENTERPRISE FUND - WATER
SCHEDULE OF REVENUES AND EXPENDITURES
BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2015

	Final Budget	Actual	Variance Over/Under
Debt Service:			
Principal	-	5,358,000	-
Interest	-	3,184,276	-
Total debt service	<u>7,885,325</u>	<u>8,542,276</u>	<u>(656,951)</u>
Capital outlay	<u>16,515,000</u>	<u>8,213,168</u>	<u>8,301,832</u>
Total expenditures	<u>44,144,112</u>	<u>35,780,218</u>	<u>8,363,894</u>
Revenues over (under) expenditures	<u>(7,327,500)</u>	<u>2,627,321</u>	<u>9,954,821</u>
Other Financing Sources (Uses):			
Refunding bonds issued	-	15,695,000	(15,695,000)
Bond refunding premium	-	2,057,864	(2,057,864)
Payment to bondholders-retired debt	-	(17,907,193)	17,907,193
Long-term debt issued	-	6,560,000	-
Appropriated fund balance	<u>7,327,500</u>	<u>-</u>	<u>7,327,500</u>
Total other financing sources (uses)	<u>7,327,500</u>	<u>6,405,671</u>	<u>921,829</u>
Net change in fund balance	<u>\$ -</u>	<u>9,032,992</u>	<u>\$ 9,032,992</u>

ORANGE WATER AND SEWER AUTHORITY

ENTERPRISE FUND - WATER
SCHEDULE OF REVENUES AND EXPENDITURES
BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2015

	Final Budget	Actual	Variance Over/Under
Reconciliation from Budgetary Basis (Modified Accrual) to Full Accrual Basis:			
Principal payments debt			
Principal payments debt	5,358,000		
Refunding bonds issued	(15,695,000)		
Bond refunding premium	(2,057,864)		
Payment to bondholders - retired debt	17,907,193		
Long-term debt issued	(6,560,000)		
Capital interest	281,265		
Change in interest accrual for bonded debt	265,330		
Depreciation and amortization	(9,384,310)		
Change in compensated absences	25,132		
Other post-employment benefits	(372,993)		
Amortization of bond expense and patent	(177,021)		
Capital outlay	8,213,168		
Gain on disposal of capital asset	(145,273)		
Capital contributions	1,372,391		
Change in net position	<u>\$ 8,063,010</u>		

ORANGE WATER AND SEWER AUTHORITY

SCHEDULE OF REVENUE AND EXPENDITURES -

PROJECT FUNDS

FROM INCEPTION THROUGH JUNE 30, 2015

	Project Budget	Cumulative Total to June 30, 2015	Unexpended Balance as of June 30, 2015
Raw Water Supply Sources:			
Revenues:			
General Fund	\$ 3,081,741	\$ 2,390,336	\$ 691,405
Expenditures:			
Jordan Lake water supply allocation cost	\$ 317,558	\$ 324,854	\$ (7,296)
Stone quarry acquisition	321,545	102,012	219,533
Cane Creek dock improvements	236,000	108,349	127,651
Cane Creek dam repairs	2,119,638	1,789,289	330,349
Raw water permanganate study	87,000	65,832	21,168
Total expenditures	\$ 3,081,741	\$ 2,390,336	\$ 691,405
Water Treatment:			
Revenues:			
General Fund	\$ 1,249,500	\$ 1,093,904	\$ 155,596
Expenditures:			
Water treatment plant rehabilitation projects	\$ 395,500	\$ 325,394	\$ 70,106
HVAC unit replacement	29,000	31,557	(2,557)
Water treatment plant superpulsator	647,000	644,319	2,681
Water treatment plant secondary containment	178,000	92,634	85,366
Total expenditures	\$ 1,249,500	\$ 1,093,904	\$ 155,596
Finished Water Pumping:			
Revenues:			
General Fund	\$ 481,000	\$ 489,289	\$ (8,289)
Expenditures:			
Calvander pump station improvements	\$ 481,000	\$ 489,289	\$ (8,289)
Finished Water Storage:			
Revenues:			
General Fund	\$ 24,900	\$ 25,961	\$ (1,061)
Expenditures:			
Nunn Mt. Anchor Bolts	\$ 24,900	\$ 25,961	\$ (1,061)

ORANGE WATER AND SEWER AUTHORITY

SCHEDULE OF REVENUE AND EXPENDITURES -

PROJECT FUNDS

FROM INCEPTION THROUGH JUNE 30, 2015

	Project Budget	Cumulative Total to June 30, 2015	Unexpended Balance as of June 30, 2015
Water Transmission and Distribution:			
Revenues:			
General Fund	\$ 7,622,547	\$ 5,471,478	\$ 2,151,069
Expenditures:			
FA water line rehabilitation	\$ -	\$ 63,796	\$ (63,796)
Water main - road improvement projects	404,000	3,351	400,649
Water line rehabilitation, replacement projects	2,652,547	2,334,105	318,442
Unnamed water rehab project	-	1,256	(1,256)
Cameron Avenue water line replacement	984,000	1,315,717	(331,717)
South Estes and Willow Water Line	2,262,000	1,753,253	508,747
Distribution system pressure monitoring	32,000	-	32,000
Advanced meter infrastructure	1,225,000	-	1,225,000
Galvanized water main replacement	63,000	-	63,000
Total expenditures	\$ 7,622,547	\$ 5,471,478	\$ 2,151,069
Wastewater Collection Lines:			
Revenues:			
General Fund	\$ 12,530,000	\$ 6,600,982	\$ 5,929,018
Expenditures:			
Sanitary sewer condition evaluation	\$ 1,620,000	\$ 1,318,615	\$ 301,385
Service Area sewer line rehabilitation and replacement projects	3,786,000	2,261,198	1,524,802
Friday Center interceptor	3,770,000	1,930,233	1,839,767
Bolinwood Drive interceptor	144,000	368	143,632
Little Creek interceptor	1,124,000	183,285	940,715
Tom's Creek/Morgan Creek aerial crossings	1,609,000	709,776	899,224
Gravity Sewer Creek Crossings	278,000	45,269	232,731
Rogers Road sanitary sewer	130,000	134,418	(4,418)
Easement Acquisition Program	69,000	17,820	51,180
Total expenditures	\$ 12,530,000	\$ 6,600,982	\$ 5,929,018

ORANGE WATER AND SEWER AUTHORITY

SCHEDULE OF REVENUE AND EXPENDITURES -

PROJECT FUNDS

FROM INCEPTION THROUGH JUNE 30, 2015

	Project Budget	Cumulative Total to June 30, 2015	Unexpended Balance as of June 30, 2015
Wastewater Pumping Stations and Force Mains:			
Revenues:			
General Fund	\$ 2,063,000	\$ 1,308,077	\$ 754,923
Expenditures:			
Pump station improvements	\$ 312,000	\$ 248,462	\$ 63,538
Force Main Condition Evaluation	936,000	389,687	546,313
Oaks 3 and Tinkerbell pump station	719,000	635,547	83,453
Rogerson Drive Pump Station rehabilitation	96,000	34,381	61,619
Total expenditures	\$ 2,063,000	\$ 1,308,077	\$ 754,923
Wastewater Treatment and Disposal:			
Revenues:			
General Fund	\$ 15,513,886	\$ 15,513,319	\$ 567
Expenditures:			
Mason Farm wastewater treatment plant flood protection enhancement	\$ 785,000	\$ 452,529	\$ 332,471
Mason Farm wastewater treatment plant rehabilitation and improvement project	1,597,000	1,859,426	(262,426)
Mason Farm wastewater treatment plant phosphorous removal	329,886	250,422	79,464
Mason Farm wastewater treatment plant odor control and aeration	11,107,000	11,695,653	(588,653)
Mason Farm wastewater treatment plant digesters #1 and #2	533,000	210,375	322,625
Mason Farm wastewater treatment plant IPS rehabilitation and replacement	100,000	9,565	90,435
Mason Farm wastewater treatment plant SCADA upgrade	209,000	269,384	(60,384)
Mason Farm Comprehensive Coatings Program	429,000	660,462	(231,462)
Mason Farm wastewater treatment plant biosolids and recycling	250,000	105,503	144,497
Mason Farm wastewater treatment plant polymer feed/gravity belt thickener	174,000	-	174,000
Total expenditures	\$ 15,513,886	\$ 15,513,319	\$ 567

ORANGE WATER AND SEWER AUTHORITY

SCHEDULE OF REVENUE AND EXPENDITURES -

PROJECT FUNDS

FROM INCEPTION THROUGH JUNE 30, 2015

	Project Budget	Cumulative Total to June 30, 2015	Unexpended Balance as of June 30, 2015
Facility Improvements:			
Revenues:			
General Fund	\$ 434,000	\$ 137,852	\$ 296,148
Expenditures:			
Administration building HVAC controls	\$ 84,000	\$ 86	\$ 83,914
Asset management development	350,000	137,766	212,234
Total expenditures	\$ 434,000	\$ 137,852	\$ 296,148

ORANGE WATER AND SEWER AUTHORITY

Table 1

Net Position by Components

Last Ten Fiscal Years

(Accrual Basis of Accounting)

(Unaudited)

	Fiscal Year									
	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Net investment in capital assets	\$ 218,421,756	\$ 219,522,714	\$ 206,109,733	\$ 200,603,988	\$ 190,756,445	\$ 188,106,716	\$ 184,466,042	\$ 177,287,377	\$ 161,812,115	\$ 160,813,755
Restricted for capital reserve	222,470	187,910	151,600	125,721	98,616	1,252,498	1,226,604	1,168,081	1,127,192	1,894,497
Restricted for future capital projects	-	-	14,116,382	-	-	-	-	-	-	-
Restricted for debt service	-	-	-	-	-	1,116	6,114	154,388	185,258	31,088
Unrestricted	<u>26,899,507</u>	<u>18,686,692</u>	<u>11,759,800</u>	<u>26,082,644</u>	<u>26,865,314</u>	<u>21,113,133</u>	<u>15,140,975</u>	<u>5,993,719</u>	<u>14,546,839</u>	<u>6,611,972</u>
Total	<u><u>\$ 245,543,733</u></u>	<u><u>\$ 238,397,316</u></u>	<u><u>\$ 232,137,515</u></u>	<u><u>\$ 226,812,353</u></u>	<u><u>\$ 217,720,375</u></u>	<u><u>\$ 210,473,463</u></u>	<u><u>\$ 200,839,735</u></u>	<u><u>\$ 184,603,565</u></u>	<u><u>\$ 177,671,404</u></u>	<u><u>\$ 169,351,312</u></u>

ORANGE WATER AND SEWER AUTHORITY

Table 2

Changes in Net Position

Last Ten Fiscal Years

(Accrual Basis of Accounting)

(Unaudited)

	Fiscal Year									
	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Operating Revenues:										
Water	\$ 18,291,453	\$ 17,969,519	\$ 17,819,790	\$ 18,556,754	\$ 18,534,150	\$ 16,943,596	\$ 15,364,026	\$ 16,378,833	\$ 14,218,387	\$ 13,946,421
Sewer	16,739,718	16,589,072	16,313,731	16,550,596	15,962,181	14,848,339	12,798,394	11,046,437	10,272,920	9,682,210
Service initiation fees	167,410	167,615	161,015	170,270	147,015	148,750	141,355	169,603	142,086	153,670
Other	1,762,261	1,116,826	1,163,077	1,211,529	1,360,484	1,618,087	1,233,515	1,199,220	780,178	649,081
Total operating revenues	36,960,842	35,843,032	35,457,613	36,489,149	36,003,830	33,558,772	29,537,290	28,794,093	25,413,571	24,431,382
Operating Expenses:										
Water supply and treatment	4,553,491	4,267,802	4,587,852	4,326,429	4,075,074	2,619,340	2,665,629	2,441,028	2,261,394	2,159,244
Water distribution	2,782,489	2,720,838	2,323,295	2,296,726	2,507,512	2,217,957	2,160,231	2,275,756	1,962,980	1,710,117
Sewer treatment	4,457,289	4,721,294	4,763,520	4,946,090	4,768,788	3,050,834	3,487,838	2,981,891	2,865,782	3,042,830
Sewer collections	1,254,390	1,224,941	1,352,127	1,434,619	1,313,106	1,129,237	1,035,025	1,134,682	1,539,591	1,352,661
General and administrative	5,951,983	5,662,788	5,754,629	5,709,219	5,172,326	4,230,197	4,567,519	4,467,944	4,428,491	3,809,200
Customer relations	-	-	-	-	-	540,582	598,092	672,147	707,614	966,972
Maintenance	-	-	-	-	-	2,128,731	2,135,038	1,881,395	1,979,957	1,860,938
Lab	-	-	-	-	-	732,563	837,770	788,628	890,108	821,955
Depreciation and amortization	9,384,310	9,393,739	9,514,909	9,539,846	9,310,159	9,053,691	8,765,924	7,215,175	6,950,774	6,871,350
Other post-employment benefits	372,993	1,012,532	1,033,149	1,038,521	750,503	883,497	738,000	-	-	-
Total operating expenses	28,756,945	29,003,934	29,329,481	29,291,450	27,897,468	26,586,629	26,991,066	23,858,646	23,586,691	22,595,267
Operating income (loss)	8,203,897	6,839,098	6,128,132	7,197,699	8,106,362	6,972,143	2,546,224	4,935,447	1,826,880	1,836,115
Non-Operating Revenues (Expenses):										
Customer fees	1,429,244	1,069,551	1,769,883	1,899,056	1,713,417	1,436,564	2,498,459	1,995,415	2,514,450	2,308,651
Investment adjustment	15,133	14,755	15,664	17,964	29,261	29,169	80,343	584,031	995,354	742,010
Interest expense	(2,637,681)	(2,644,155)	(2,334,944)	(2,274,113)	(2,623,208)	(2,702,687)	(3,305,193)	(3,832,320)	(4,361,911)	(2,724,951)
Amortization of bond expense and patent	(177,021)	107,636	111,529	19,139	71,676	(73,283)	(83,338)	(69,940)	(96,898)	(141,579)
Other	(145,273)	23,591	4,228	(235,552)	(1,320,156)	(92,613)	5,687	2,865	16,431	(58,846)
Income (loss) before contributions	6,688,299	5,410,476	5,694,492	6,624,193	5,977,352	5,569,293	1,742,182	3,615,498	894,306	1,961,400
Capital Contributions:										
Capital grants and contributions	2,320	-	-	142,329	14,354	101,451	1,577,049	926,504	650,097	153,232
Contributions in aid of construction	1,372,391	849,325	420,251	2,325,456	1,255,206	3,962,984	12,916,939	2,390,159	6,775,689	3,306,603
Total capital contributions	1,374,711	849,325	420,251	2,467,785	1,269,560	4,064,435	14,493,988	3,316,663	7,425,786	3,459,835
Increase in net position	8,063,010	6,259,801	6,114,743	9,091,978	7,246,912	9,633,728	16,236,170	6,932,161	8,320,092	5,421,235
Net Position:										
Beginning of year, previously reported - July 1	238,397,316	232,137,515	226,812,353	217,720,375	210,473,463	200,839,735	184,603,565	177,671,404	169,351,312	163,930,077
Restatement	(916,593)	-	(789,581)	-	-	-	-	-	-	-
Beginning of year, restated	237,480,723	232,137,515	226,022,772	217,720,375	210,473,463	200,839,735	184,603,565	177,671,404	169,351,312	163,930,077
End of year - June 30	\$ 245,543,733	\$ 238,397,316	\$ 232,137,515	\$ 226,812,353	\$ 217,720,375	\$ 210,473,463	\$ 200,839,735	\$ 184,603,565	\$ 177,671,404	\$ 169,351,312

Table 3

ORANGE WATER AND SEWER AUTHORITY

Water Processed and Wastewater Treated

(Thousands of Gallons)

Last Ten Fiscal Years

(Unaudited)

Fiscal Year Ended June 30	Water Processed and Pumped to System	Wastewater Treated
2006	3,142,494	2,721,662
2007	3,126,917	2,854,787
2008	3,002,669	2,701,000
2009	2,915,405	2,889,705
2010	2,863,425	2,933,870
2011	2,741,182	2,673,448
2012	2,515,000	2,784,000
2013	2,413,000	2,942,000
2014	2,477,000	3,028,000
2015	2,521,096	2,954,345

Source: Orange Water and Sewer Authority's records

Table 4

ORANGE WATER AND SEWER AUTHORITY

Ratio of Bonded Debt to Net Operating Revenues and Net Bonded Debt Per Customer (modified accrual basis)

Last Ten Fiscal Years

(Unaudited)

Fiscal Year Ended June 30	Customer Estimate	Revenues	Operating Expenses	Net Operating Revenues	Debt Service Requirements	Net Bonded Debt	Ratio of Net Revenues to Debt Service Requirements		Net Bonded Debt Per Customer
2006	19,687	27,482,043	15,723,917	11,758,126	8,073,572	76,740,000		1.46	3,898
2007	19,554	28,920,964	16,633,506	12,287,458	8,268,245	114,685,000		1.49	5,865
2008	19,998	30,663,591	16,481,365	14,182,226	9,613,669	110,880,000		1.48	5,545
2009	20,137	32,041,436	17,487,142	14,554,294	9,027,734	106,040,000		1.61	5,266
2010	20,241	35,024,504	16,678,150	18,346,354	9,034,556	101,205,000		2.03	5,000
2011	20,453	36,458,411	17,735,007	18,723,404	8,938,297	94,695,000		2.09	4,630
2012	20,916	38,175,237	18,704,964	19,470,273	8,591,940	89,245,000		2.27	4,267
2013	21,043	37,095,846	18,766,540	18,329,306	8,162,048	83,845,000		2.25	3,984
2014	21,105	36,949,811	18,597,655	18,352,156	7,795,143	78,675,000		2.35	3,728
2015	21,239	38,406,215	19,463,186	18,943,029	8,110,714	72,910,000		2.34	3,455

Table 5**ORANGE WATER AND SEWER AUTHORITY****Principal Water and Sewer Customers**

Year Ended June 30, 2015 and 2006

(Unaudited)

	Percent of Water Sales	Percent of Water Sales
	2015	2006
University of North Carolina at Chapel Hill	22%	26%
Chapel Hill - Carrboro City Schools	2%	1%
Triangle Communities (Apartments)	<1%	<1%
Carol Woods Retirement Community	<1%	<1%
Town of Chapel Hill	<1%	<1%
Kingswood Apartments	<1%	<1%
University Mall	<1%	<1%
Couch Oxford Associates	<1%	<1%
The Villages Apartments	<1%	<1%
Aspen Square Apartments	<1%	<1%

Source: Orange Water and Sewer Authority's Records

ORANGE WATER AND SEWER AUTHORITY

Table 6

Town of Chapel Hill NC, Property Tax Levies and Collections

Last Ten Fiscal Years

(Unaudited)

Fiscal Year Ended June 30	Taxes Levied for the Fiscal Year	Collected within the Fiscal Year of the Levy		Collections in Subsequent Years	Total Collections to Date		Outstanding Delinquent Taxes
		Amount	Percent of Original Levy		Amount	Percentage of Adjusted Levy	
2006	27,718,753	27,578,410	99.49%	124,143	27,702,553	99.94%	*
2007	28,558,565	28,409,166	99.48%	111,769	28,520,935	99.87%	*
2008	30,412,485	30,240,782	99.44%	145,619	30,386,401	99.91% (1) \$	115,177
2009	33,972,050	33,779,684	99.43%	139,190	33,918,874	99.84%	53,716
2010	35,119,150	34,836,717	99.20%	254,454	35,091,171	99.92%	27,979
2011	35,604,158	35,284,111	99.10%	258,936	35,543,047	99.83%	61,111
2012	35,887,926	35,604,067	99.21%	-	35,604,067	99.21%	283,859
2013	36,084,217	35,809,148	99.24%	-	35,809,148	99.24%	275,069
2014	38,361,125	38,115,148	99.36%	-	38,115,148	99.36%	245,977
2015	39,009,200	38,849,950	99.59%	-	38,849,950	99.59%	159,250

*Data not available. The Town contracts with the counties to maintain the tax records and must rely on the records provided.

Notes:

(1) This represents the total delinquent taxes for years 2008 and prior.

ORANGE WATER AND SEWER AUTHORITY

Table 7

Town of Chapel Hill, NC Assessed Value and Actual Value of Taxable Property
 Last Ten Fiscal Years
 (Unaudited)

Fiscal Year										Ratio of Assessed Value to Estimated Value
Ended June 30	Residential Property	Commercial Property	Combined Real Property	Personal Property	Public Service Companies (3)	Total Taxable Assessed Value	Total Direct Tax Rate (4)	Estimated Actual Taxable Value (5)	Estimated Actual Value (6)	
2006	(1) \$ 3,956,681,069	\$ 783,355,893	\$ 4,740,036,962	\$ 498,524,879	\$ 60,840,533	\$ 5,299,402,374	\$ 0.522	\$ 5,905,284,571	89.74%	
2007	3,640,445,489	1,249,997,134	4,890,442,623	520,961,320	61,554,945	5,472,958,888	0.522	6,582,822,815	83.14%	
2008	3,825,506,198	1,313,540,280	5,139,046,478	460,567,284	60,142,623	5,659,756,385	0.522	6,807,501,064	83.14%	
2009	3,945,477,182	1,354,733,971	5,300,211,153	471,708,077	63,678,158	5,835,597,388	0.581	5,896,329,583	98.97%	
2010	(1) 4,855,643,567	1,667,252,143	6,522,895,710	455,030,840	67,647,776	7,045,574,326	0.494	7,141,991,207	98.65%	
2011	5,133,443,183	1,762,638,471	6,896,081,654	452,486,487	62,491,249	7,411,059,390	0.494	7,477,610,120	99.11%	
2012	*	*	6,730,528,993	471,001,413	63,232,013	7,264,762,419	0.494	7,200,106,033	99.11%	
2013	*	*	6,701,285,738	536,958,587	66,253,143	7,304,497,468	0.494	7,583,529,271	103.82%	
2014	*	*	6,823,181,920	573,309,679	66,762,306	7,463,253,905	0.514	7,188,606,161	96.32%	
2015	*	*	6,862,387,124	519,383,543	65,246,662	7,447,017,329	0.524	7,290,629,965	97.90%	

*The Breakdown between residential and commercial property is not available for fiscal years after 2011.

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Notes:

- (1) Revaluation year.
- (2) Increase due to revaluation and the addition of \$200 million from a major annexation.
- (3) Public service companies valuations are provided by the North Carolina Department of Revenue.
These amounts include both real and personal property.
- (4) Per \$100 of value. Includes taxes for General Fund, Debt Service Fund, and Transit Fund.
- (5) The estimated market value is calculated by dividing the assessed value by an assessment-to-sales ratio determined by the North Carolina Department of Revenue. The ratio is based on actual property sales which took place during the fiscal year.
- (6) Source is the Property Tax Division of the North Carolina Department of Revenue.

ORANGE WATER AND SEWER AUTHORITY

Table 8

Town of Chapel Hill, NC Direct and Overlapping Property Tax Rates (Per \$100 of Assessed Value)

Last Ten Fiscal Years

(Unaudited)

	Years Taxes Payable										
	2006	2007	2008	2009	2010	*	2011	2012	2013	2014	2015
Chapel Hill within Orange County:						*					
Town direct rates:											
General Fund	\$ 0.474	\$ 0.474	\$ 0.474	\$ 0.423	\$ 0.360	\$ 0.360	\$ 0.378	\$ 0.378	\$ 0.388	\$ 0.388	\$ 0.388
Transportation	0.048	0.048	0.048	0.048	0.041	0.041	0.041	0.041	0.051	0.051	0.051
Debt Service**	-	-	-	0.110	0.093	0.093	0.075	0.075	0.075	0.075	0.085
Downtown Service District	0.053	0.090	0.090	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
Overlapping rates:											
Orange County	0.843	0.903	0.950	0.998	0.858	0.858	0.858	0.858	0.858	0.858	0.878
Chapel Hill - Carrboro School District	0.183	0.189	0.204	0.230	0.188	0.188	0.188	0.188	0.208	0.208	0.208
Total	1.601	1.704	1.766	1.880	1.611	1.611	1.611	1.611	1.651	1.681	
Chapel Hill within Durham County:											
Town direct rates:											
General Fund	0.474	0.474	0.474	0.423	0.360	0.360	0.378	0.378	0.388	0.388	0.388
Transportation	0.048	0.048	0.048	0.048	0.041	0.041	0.041	0.041	0.051	0.051	0.051
Debt Service	-	-	-	0.110	0.093	0.093	0.075	0.075	0.075	0.075	0.085
Overlapping rates:											
Durham County	0.809	0.809	0.834	0.708	0.690	0.746	0.746	0.744	0.744	0.744	0.744
Total	1.331	1.331	1.356	1.289	1.184	1.240	1.240	1.238	1.258	1.268	

*Revaluation Year

** For fiscal years 2007/2008 and prior, property tax revenues were allocated between the General Fund and the Transit Fund. Beginning with the 2008/2009 fiscal year, the allocation was changed to include an allocation to the Debt Service Fund.

Source: North Carolina State Department of Revenue

ORANGE WATER AND SEWER AUTHORITY

Table 9

Town of Chapel Hill, NC Demographic and Economic Statistics

Last Ten Fiscal Years

(Unaudited)

Year	Population (1)	Personal Income (in thousands)(2)	Per Capita Personal Income (2)	Median Age (3)	Education Level in Years of Schooling (3)	School Enrollment (4)	Unemployment Rate % (5)
2006	52,397	\$ 4,631,572	\$ 38,629	24.2	15.82	35,260	3.0
2007	53,416	5,060,894	41,435	24.2	15.82	38,718	2.9
2008	54,903	5,060,894	41,435	24.2	15.82	39,864	3.1
2009	55,616	5,450,187	43,844	24.2	15.82	40,316	4.5
2010	56,778	5,976,341	47,063	25.6	15.82	39,428	5.6
2011	57,233	6,186,352	47,925	25.6	15.82	41,139	5.4
2012	57,757	6,268,886	46,713	25.6	15.82	41,059	5.6
2013	58,424	6,608,945	48,683	25.6	15.82	41,402	5.6
2014	59,271	7,131,776	51,702	25.3	15.82	41,242	4.4
2015	59,653	7,345,876	52,339	25.3	15.82	41,176	4.9

Notes:

- (1) Town of Chapel Hill Department of Planning, Office of State Budget and Management
- (2) U.S. Department of Commerce, Bureau of Economic Analysis. Data available for Orange County only.
Most recent available census data.
- (3) U.S. Department of Commerce, most recent available census data.
- (4) Chapel Hill-Carrboro City Schools and The University of North Carolina at Chapel Hill.
- (5) N.C. Employment Security Commission, Local Area Unemployment Statistics.

Table 10**ORANGE WATER AND SEWER AUTHORITY****Miscellaneous Statistical Data**

Year Ended June 30, 2015
(Unaudited)

Year Founded and Incorporated	1975
Size of Service Area:	
Square miles	31
Miles of water pipe	400
Miles of wastewater collection pipe	340
Customer accounts	21,239
Budgeted Employee Positions	128
Water Treatment Plant Capacity (in MGD):	
Capacity	20
Production average, FY 2015	6.9
Production peak, FY 2015	9.3
Wastewater Treatment Plant Capacity (in MGD):	
Capacity	14.5
Average daily flow, FY 2015	8.1
Number of Water Supply Resources	4
Total Capacity of Water Supply Resources (millions of gallons):	
Cane Creek Reservoir	3,000
University Lake	450
Quarry Reservoir	200
Jordan Lake Level II Allocation	5 MGD

Source: Orange Water and Sewer Authority's Records

ORANGE WATER AND SEWER AUTHORITY

Table 11

Full-Time Equivalents

Last Ten Fiscal Years

(Unaudited)

Department	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
General and Administrative:										
Office of the Executive Director	5.50	6.50	7.00	6.00	7.00	7.00	7.00	9.00	9.00	9.00
Engineering	14.00	13.00	13.00	14.00	14.00	14.00	13.50	15.00	15.00	15.00
Human Resources	3.00	2.50	2.50	3.00	2.00	3.00	3.50	6.00	6.00	6.00
Finance	6.00	7.50	7.50	7.00	9.00	8.00	6.34	7.00	7.00	7.00
Purchasing	-	-	-	-	-	-	1.33	2.00	2.00	2.00
Information Technology	4.00	4.00	4.00	4.00	5.00	5.00	4.00	4.00	4.00	4.00
Operations:										
Customer Service	9.00	7.50	7.50	6.50	7.00	7.00	7.33	8.00	8.00	13.00
Water Supply and Treatment	25.50	26.50	25.00	25.00	24.00	24.00	13.50	13.00	13.00	13.00
Water Distribution	32.00	32.00	30.00	32.00	32.00	32.00	32.00	32.00	32.00	27.00
Plants Maintenance	-	-	-	-	-	-	13.00	14.00	15.00	15.00
Laboratory	-	-	-	-	-	-	8.00	10.00	10.00	10.00
Wastewater Treatment	22.50	21.50	23.00	23.00	24.00	24.00	13.50	15.00	14.00	14.00
Sewer Collection	14.00	14.00	16.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Totals	<u>135.50</u>	<u>135.00</u>	<u>135.50</u>	<u>135.50</u>	<u>139.00</u>	<u>139.00</u>	<u>138.00</u>	<u>150.00</u>	<u>150.00</u>	<u>150.00</u>

Source: Orange Water and Sewer Authority's Human Resource Department

MARTIN ♦ STARNES & ASSOCIATES, CPAs, P.A.

"A Professional Association of Certified Public Accountants and Management Consultants"

Report On Internal Control Over Financial Reporting And On Compliance And Other Matters Based On An Audit Of Financial Statements Performed In Accordance With *Government Auditing Standards*

Independent Auditor's Report

To the Board of Directors
Orange Water and Sewer Authority
Carrboro, North Carolina

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to the financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the accompanying financial statements of the business-type activities of the Orange Water and Sewer Authority (the "Authority"), a component unit of the Town of Chapel Hill, North Carolina, as of and for the year ended June 30, 2015 and 2014 and the related notes to the financial statements, which collectively comprise the authority's basic financial statements, and have issued our report thereon dated September 23, 2015.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, non-compliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of non-compliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Martin Starnes & Associates, CPAs, P.A.

Martin Starnes & Associates, CPAs, P.A.
Hickory, North Carolina
September 23, 2015

MARTIN ♦ STARNES & ASSOCIATES, CPAs, P.A.

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Report On Compliance For Each Major Federal Program; Report on Internal Control Over Compliance; In Accordance with OMB Circular A-133; And the State Single Audit Implementation Act

Independent Auditor's Report

To the Board of Directors
Orange Water and Sewer Authority
Carrboro, North Carolina

Report on Compliance for Each Major Federal Program

We have audited the Orange Water and Sewer Authority's compliance with the types of compliance requirements described in the OMB *Circular A-133 Compliance Supplement* and the *Audit Manual for Governmental Auditors in North Carolina*, issued by the Local Government Commission, which could have a direct and material effect on each of the Orange Water and Sewer Authority's major federal programs for the year ended June 30, 2015. The Orange Water and Sewer Authority's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the Orange Water and Sewer Authority's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*, and the State Single Audit Implementation Act. Those standards, OMB Circular A-133, and the State Single Audit Implementation Act require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the Orange Water and Sewer Authority's compliance with those requirements and performing such other procedures, as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the Orange Water and Sewer Authority's compliance.

Opinion on Each Major Federal Program

In our opinion, the Orange Water and Sewer Authority complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2015.

Report on Internal Control Over Compliance

Management of the Orange Water and Sewer Authority is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the Orange Water and Sewer Authority's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing our opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control over compliance.

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

Martin Starnes & Associates, CPAs, P.A.

Martin Starnes & Associates, CPAs, P.A.

Hickory, North Carolina

September 23, 2015

ORANGE WATER AND SEWER AUTHORITY

SCHEDULE OF FINDINGS AND QUESTIONED COSTS FOR THE YEAR ENDED JUNE 30, 2015

1. Summary of Auditor's Results

Financial Statements

Type of auditor's report issued:	Unmodified		
Internal control over financial reporting:			
• Material weakness(es) identified?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X No
• Significant deficiency(ies) identified that are not considered to be material weaknesses?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X None reported
Non-compliance material to financial statements noted?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X No

Federal Awards

Internal control over major Federal programs:			
• Material weakness(es) identified?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X No
• Significant deficiency(ies) identified that are not considered to be material weaknesses?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X None reported
Type of auditor's report issued on compliance for major Federal programs	Unmodified		
Any audit findings disclosed that are required to be reported in accordance with Section 510(a) of OMB Circular A-133?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> X No

Identification of major Federal programs:

<u>Program Name</u>	<u>CFDA#</u>
Capitalization Grants for Clean Water State Revolving Funds	66.458
Dollar threshold used to distinguish between Type A and Type B programs	<u>\$300,000</u>
Auditee qualified as low-risk auditee?	No

ORANGE WATER AND SEWER AUTHORITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015

2. Findings Related to the Audit of the Basic Financial Statements

None reported

3. Findings and Questioned Costs Related to the Audit of Federal Awards

None reported

ORANGE WATER AND SEWER AUTHORITY

**SCHEDULE OF PRIOR YEAR'S AUDIT FINDINGS
FOR THE YEAR ENDED JUNE 30, 2015**

None.

ORANGE WATER AND SEWER AUTHORITY
SCHEDULE OF EXPENDITURES OF FEDERAL AND STATE AWARDS
FOR THE YEAR ENDED JUNE 30, 2015

			State/ Fed. (Direct & Pass-through)
<u>Grantor/Pass-through Grantor/Program Title</u>	<u>Federal CFDA Number</u>	<u>Pass-through Grantor's Number</u>	<u>State Expenditures</u>

Federal Grants:

U.S. Environmental Protection Agency

Passed-through the N.C. Department of Environmental and Natural Resources:

Capitalization Grants for Clean Water State Revolving Funds	66.458 ¹	\$ 6,560,000	\$ _____ -
Total N.C. Department of Environmental and Natural Resources		_____ 6,560,000	_____ -
Total assistance - federal programs		\$ 6,560,000	\$ _____ -
Total assistance		\$ 6,560,000	\$ _____ -

Notes to the Schedule of Expenditures of Federal and State Awards:

1. The accompanying schedule of expenditures of federal and State awards includes the federal and State grant activity of the Orange Water and Sewer Authority and is presented on the modified accrual basis of accounting. The information in this schedule is presented in accordance with the requirements of OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations* and the State Single Audit Implementation Act. Therefore, some amounts may differ from amounts presented in, or used in the preparation of the basic financial statements.
2. Loans Outstanding
Orange Water and Sewer Authority had the following loan balances outstanding at June 30, 2015. These loan balances outstanding are also included in the federal expenditures presented in the schedule.

			Pass-through
<u>Program Title</u>	<u>CFDA Number</u>	<u>Grantor's Number</u>	<u>Amount Outstanding</u>
Capitalization Grants for Clean Water State Revolving Funds	66.458 ¹		\$ 6,560,000

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REPORT OF INDEPENDENT AUDITORS ON REVENUE BOND COVENANT COMPLIANCE

To the Board of Directors
Orange Water and Sewer Authority
Carrboro, North Carolina

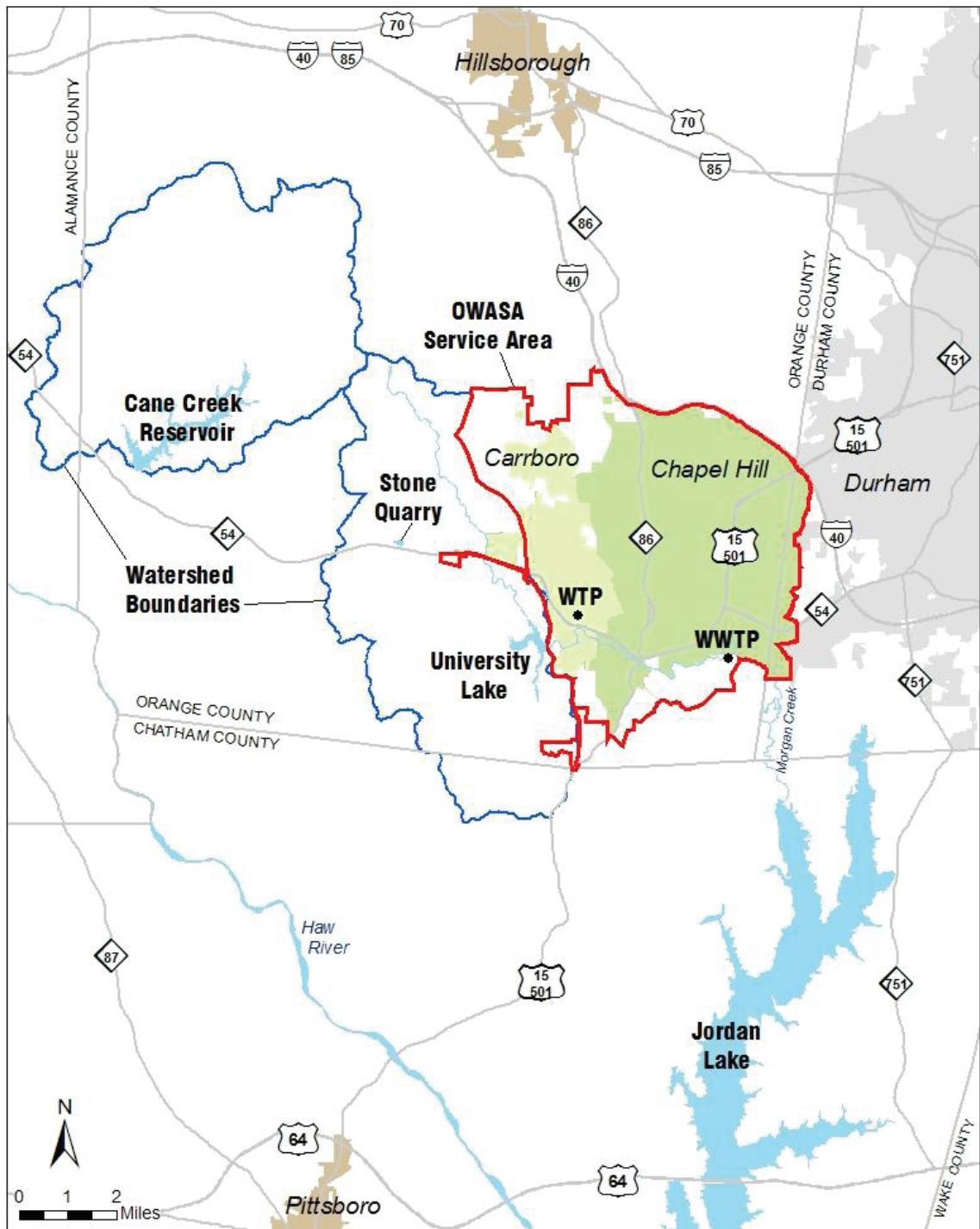
We have audited, in accordance with auditing standards generally accepted in the United States of America, the statements of net position of the Orange Water and Sewer Authority (the "Authority"), a component unit of the Town of Chapel Hill, North Carolina, as of June 30, 2015 and 2014, and the related statements of revenues, expenses, and changes in net position and cash flows for the years then ended which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated September 23, 2015.

In connection with our audit, nothing came to our attention that caused us to believe that the Authority failed to comply with the terms, covenants, provisions, or conditions of Section 7.04 contained in the amended and restated bond order, dated September 13, 2001 with the Bank of New York and the North Carolina Local Government Commission, insofar as they relate to accounting matters.

This report is intended solely for the information and use of the Board of Directors and management of the Authority, the Bank of New York, and the North Carolina Local Government Commission and is not intended to be, and should not be, used by anyone other than these specified parties.

Martin Starnes & Associates, CPAs, P.A.

Martin Starnes & Associates, CPAs, P.A.
Hickory, North Carolina
September 23, 2015



OWASA

Orange Water and Sewer Authority

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.